

TABLE 1

Seq. ID No.	Decoder (5'-3')
17	GGCTGGTTCGGCCCGAAAGCTTAG
18	GTTCCCACTGAAGCTGCGATCTGG
19	TACTTGGCATGGAATCCCTTACGC
20	ACTAGCATATTTTCAAGGACCCGGC
21	GAACGGTCAATGAACCCGCTGTGA
22	GCGGCCTTGTTCAATATGAATCG
23	GATCGTTAGAGGGACCTTGCCCGA
24	TGGACCTAGTCCGGCAGTGACGAA
25	ATAAACTACCCAGGACGGGCGGAA
26	CATCGGTTTCGCGCCAATCCAGATA
27	GTCGGGCATAGAGCCGACCACCCT
28	CTTGGGTCATGATTACCGTGCTA
29	TGCCTAACGTGCTAATCAGCAGCG
30	CGCATGTTGGAGCATATGCCCTGA
31	AGCCACTGCATCAGTGCTGTTCAA
32	GGTTGTTTTGAGGCGTCCCACACT
33	TCGACCAAGAGCAAGGGCGGACCA
34	GACATCGCTATTGCGCATGGATCA
35	GAAATACGAAGTCTGCGGGAGTCG
36	TGTCATGAATGATTGATCGCGCGA
37	ATATCGGGATTTCGTTCCCGGTGAA
38	GCGAGCGTACCGAAGGGCCTAGAA
39	TTACCGGCAGCGGACTTCCGAATT
40	GTAATCGAGAGCTGCGCGCCGTCT
41	TCCCTGAGGTCGGAAGCTTCCGAC
42	CCTGTTAGCGTAGGCGAGTCGATC
43	TAGCGGACCGGCAGAATGAGTTCC
44	GGTACATGCACTACGCGCACTCGG
45	AATTCATCTCGGACTCCCGCGGTA
46	GCCAAATCTGGATTGGCAGGAATG
47	TGCATTTTCGGTTGAGGCACATCC
48	CCGCTCAATTCACCATGCTTCGCT
49	CTCGGAAAGGTGCAACTTTGGTGT
50	AATTCGACCAGCAGAACGTCCCAT
51	GCCAGAGTCTCAACCTCACGGGAT
52	CCAACAACCTGGAACGGGAACCCGC
53	GAGAACTGATCGCTGAGGGGCATG
54	GGCACACTAGACTTGTGGCACCGA

5

10

15

20

25

30

35

40

55	CTTGGGCAAACGCTTCAGCCACAA
56	TCACATCCAAATATGGTCCGCGAA
57	GTCTGCCGGTGTGACCGCTTCATT
58	CATCGCAGAGCATAAACACCCTCA
59	GTTGGTATCTATGGCAGAGGCGGA
60	ACGAGGTGCCGCTGAGGTTCCATT
61	GGAATGAGTGGACCCAGGCACATT
62	TGTCAATATGCGTCCGTGTCGTCT
63	TGATGAGCCTCAGGGTACGAGGCA
64	CACCGCGGTGTTCTACAGAATGA
65	TTGTTGCCAATGGTGTCCGCTCGG
66	TTAACCTGCGTCTGCCCTTTCCT
67	AGGCGCGTTCCTGCCCTTAGTGACG
68	TAGGGCGATGGCACGAAGCTTCAA
69	TGCATAGAGCCAAAGTCGGCGATG
70	TTGAGAGGCAGGTGGCCACACGGA
71	TCCGCATTGTGAGAAAAACGAGC
72	GGCGGTTTCCGTAGCTATAGGTGC
73	GGTGAAAATTTCTAGCCACGGGC
74	CCGACGGAGGATGAAGACAATCAC
75	CCAGTTTGGCCCAATTCGCCAAAA
76	GGATCTATTAGGCCGTGCGCACAG
77	CGGATGTCACCGTTTGGACTTTCA
78	ATCGCAAATCCTGCTCGTCCCTAA
79	CAGGGCATGCAATAATCGAGGTTT
80	CATGCGTTGATATATGGGCCCAAG
81	CAGCTGCAGCTTGTGACCAACCAC
82	TTGTATGTCTGCCGACCGGCGACC
83	GATGGCGCCCGTTGATAGGTATGG
84	ATGAGAATCGCCGGCAATCTGCTA
85	ATTTGCACTGACCGCAGGCTCGTG
86	CAGGGAGAACGGTTAAGTTCCCGT
87	AGGCCGGCGATCGAGGAGTTTGGT
88	ACACGGTGGTCTCTGATAGCGACC
89	GTGCAACGCCGAGGACTTCCATCA
90	TCGGTGCTGATAGCCATTCCGAT
91	TGAAATACCACACAGCCAATTGGC
92	GCATCGTGACATGACTGCCGCGA
93	CAGTGTTCTAACGGCGCGCGTGAA
94	CGCTTGCAACGTTGCACCTACTCT
95	CGAAAACTAGTGGGCTCGCCGCG
96	CTTTCAGGGGAACTGCCGGAGTCG

5

10

15

20

25

30

35

40

97	TTGTGGCCTTCTTGTAAGGCACG
98	TCCACGAACGGCGACCCGTTGTCT
99	CGACCTTGACGAAACCTAACGAG
100	GTGCAGCTTCACGAGCCAGCCTGA
101	CGCTTTCTGTGCGAATAGACGATGA
102	TGCGCTTACAGGCTCCTAGTGGTC
103	CACGCGCTTAGTCGCGATCGCATA
104	CGGAGGGAGGGAGCTAGCCTTCGA
105	GCATCCGGCCTGTTGATGACGCCT
106	AGGCCAATCGATCTTATTGCCGAG
107	CCTTCCAATGATTGCATACGCCCA
108	AACACTTGATCAGGCGGGTCGTCT
109	TGGAATCAAGGCCGTAAAGGACAG
110	GCTCCCGTAACCTGTCCACCAGTG
111	AGTGGTGAATGGCCGCTACCCTGA
112	TGTTGAAGCGAGCTAAAACGGCCA
113	CAGCGCTCCAGAATTGACAGCAAT
114	AAGGTGGTGCCATTCATTTGGCTA
115	CGTTAAACCGCAATCCGTTCCGGCT
116	TGTCTTCCACCTCGAAGGTTTCCA
117	CACGAGATACCGGCGTAAGGGTGG
118	CTACGGCAAACGTGTGGAATGGGT
119	GTAGGGCGATGACGGGCGAACTAC
120	AATCGACCTCCGCACACATTCGCA
121	GAGTCAGCATGGCGGCGGAGATTC
122	AGATAAAGACGCTGGCAACACGGG
123	GGTACCTCAACGCGAACCACCTTGT
124	AAGCGATGGCTACCCAAGAGCGAT
125	AGAGCTTATGCAGAACCAGGCGCC
126	ATCGGTCTCACGCAGGGTTGGATA
127	TAGGTTGCCCGCCAGAAGAAACAT
128	CGGTGCTGTTGCAAAGCCTGTAG
129	TGATGAAAGTTTGCGGCAGGACAC
130	GTTGAGTGCAGGATGCAGCGATAG
131	AACATTGCGCGGTCCACCAGGGTT
132	GGGCAGTTAGAGAGGGCCAGAAGT
133	TCGAGCTGGTCCCCGTGAACGTGT
134	GTCTTGGGGGCCGCTTAGTGAAAA
135	ACTGTTGGCTTGCTCTCATGTCCA
136	AGGACCATTGGAAGGCGAAGATA
137	CTTGGGAGGCATCCGCTATAAGGA
138	AATAAACGGAACGCACCGCTACAG

5

10

15

20

25

30

35

40

139	TTGTACGTGCGGTCCCCATAAGCA
140	CGCACCAAAGTGAAGTTTCCCAGAC
141	ACCTGATCGTTCCTTATTGGGAA
142	GGAACAGAGGCGAGGGGACTGAGC
143	CCCTGCCTTGGCGTGTGGCTTAT
144	ACTCTGACACGCCAACTCCGGAAG
145	CTGACGGTTTTTCATTGGCGTGCC
146	TGCGGTGGTTCATTGGAGCTGGCC
147	GCATGGCCAACTAGTGAAGTCGAA
148	AGGCCGTAAAGCGAATCTCACCTG
149	CGAATATTATGCCGAGAATCCGCG
150	ACAGACGAGCTCCCAACCACATGA
151	GGACGGTTTGTGCTGGATTGTCTG
152	AAAGGCTATTGAGTTGGTTGGGCG
153	GATGGCCTATTCGGAGATCGGGCC
154	GATCCAGTAGGCAGCTTCATCCCA
155	AATAACTCGCGCGGGTATGCTTCT
156	GGAGGAGTTTGTCTCGGAAAGCA
157	CTTTGGTATGGCACATGCTGCCCG
158	AGAAAGGCTCGAGCAACGGGAAGT
159	AATCTACCGCACTGGTCCGCAAGT
160	CGTGGCGGCCACAGTTTTTGGAGG
161	TTGCAGTTCAATCCATACGCACGT
162	GGCCCAAAGCCCCAGACCATTITTA
163	CGCCTGTCTTTGTCTCCGGACAAT
164	TGAGGGCAACAGGGGCCAAAACTA
165	AGCGGAAGTAGTCCTCGGCTCGTC
166	GGCCCCAAGGCTTAGAGATAGTGG
167	GCACGTGAAGTTTAACCGCGATTG
168	AGCGGCAGAAACGTTCTTGACGG
169	TCGTGAGCAGACGAGATTGCACG
170	TCTTTGCCGCGTAACTGACTGCTT
171	TTTATGTGCCAAGGGGTTAACCGA
172	TGTTACTGTGGTTCACGGCAGTCC
173	CGCGCCTCGCTAGACCTTTTATTG
174	ACAAATGCGTGAGAGCTCCCAACT
175	CGCGCAGATTATAGACCCGAATGT
176	CAAATAACGCCGCTGAATCGGCGT
177	CCTTCGTGCATCGGTGATGATGTT
178	TGAACACGAGCAACACTCCAACGC
179	CAGCAGATCCTTCGTAGCGGTCGT
180	GGAACCTGGTGAGTTGTGCCTCAT

181	TCATAAGCGACAATCGCGGGCTTA
182	CCCAACGTCACTGAAGCTCACAGT
183	TGTCAGAGCCCGCGACTCAGACGG
184	TACACGAAGCCTCTCCGTGGTCCA
185	CTCAGAAGTCCTCGGCGAACTGGG
186	ATCCTTTTATCTACTCCGCGGGCGA
187	AGGCGTGCAGCAACAGGATAAACC
188	ACTCTCGAGGGAGTCTCTGGCACA
189	TTGCCAGGTCCATCGAGACCTGTT
190	TCCACTATAACTGCGGGTCCGTGT
191	GCCCAGTCGGCTCTAACAAGTTCTG
192	CGGAACGGATAATCGGCGTCAGGT
193	TAAAATAAGCGCCTGGCGGGAGGA
194	GCGCACTCGTGAAACCTTTCTCGC
195	AGTTTGCCAGGTACTGGCAAGTGC
196	ACAACGAGGGATGTCCAGCGGCAT
197	TTCGCAGCACCCGCTAGGTACAGT
198	TAACCCGATTTTTGCGACTCTGCC
199	CGTCGCATTGCAAGCGTAGGCTTG
200	GAGCTGACGTCACCATCAGAGGAA
201	GGAGGCTGGGGGTGCGCTTAAGT
202	TTGTGGAACCGCACTAGCTGGCT
203	CCCTCGCACTGTGTTACCCTCTT
204	TCATTGACTCGAATCCGCACAACG
205	ACAGGGGTTGGCCTTCGTACGTAC
206	AGGCCGTGCAACATCACACAGGAT
207	GGGCCGTGGTCACGTAATATTGGC
208	GCGCGGACATGAAACGACAAGGCC
209	CTTATTGGGTGCCGGTGTCTGGATT
210	GGGGCGGTTACCAAAAAATCCGAT
211	GCTAAAGCGTGCTCCGTAACTGCC
212	ATCTCATGCATCTCGGTTTCGTCGT
213	ACGAAAAAAGTGTGCGGATCCCCT
214	CCAAGTACACCGCACGCATGTTTA
215	ATCGTGCGTGGAGTGTGCGCATCTA
216	TCCAGATACCGCCCCGAACCTTGA
217	TCTGCTGGCAGCACGTGAAGTGGC
218	TTGAAATTGCTCTGCCGTCAGTCA
219	AGTCAGGCGAGATGTTTCAGGCAGC
220	ACAAGCCGACGTTAAGCCCGCCCA
221	CCCTAATGAGGCCAGTAACCTGCA
222	GTGAGACACACATCCCCTCCAATG

223	CGACGGATGCAGAGTTCAGTGGTC
224	CCCGCATGCCTGGCGGTATTACAA
225	TTAGCAAAGCGGCGCCGTTAGCAA
226	CCCGACACGGGTCAGCGTAATAAT
227	GCGACGGCCCTGAGGTATGTCGTC
228	CAAAAGTGTGTTCCCTTGCGCTTG
229	TCTCGAAGCACAGCCCGGTTATTG
230	ATGCTAACCGTTGGCCATGGAAC
231	CTTGCGGAGTGTTAGCCCAGCGGT
232	TGCTCCCTAGGCGCTCGGAGGAGT
233	CCAATGCCTTTGAGTAAGCGATGG
234	AGCAGATAACGTCCCAATGACGCC
235	TTGACCATTACGTGTTGCGCCCAT
236	TCGCGTATTTGCGGAATTCGTCTG
237	CTGCGTGTCAACAATGTCCCGCAG
238	TCTGGTGCCACGCAAGGTCCACAG
239	CTCCGGGAGGTCACTTAATTGCGG
240	TTTTCGTGATTGCCCGGAGGAGGC
241	TCGGGATGTAGCTGGGGCTACCGG
242	CGAGCCAACGCAAACACGTCCTTG
243	GCAAAGCCTTTGTGGGGCGGTAGT
244	ATTCGACCGGAAATGAGGTCTTCG
245	TTCGCTTGCTGAGTTGCTCTGTTC
246	CGCGTGAAGACCCCATCCCGAGT
247	AACCGTATTCGCGTCACTTGTGG
248	GGGGCCAACCGTTTCGAGGCGTAT
249	TTCGGCTGGCAGTCCAAACGGCTT
250	GGGTGTGGTTAGAATGCACGGTTC
251	GCGAGGACCGAACTAGACAAACGG
252	ACGCACGCGTGACCGAAGTTGCTG
253	TAAAAGGTCGCTTTGAAAGGGGGA
254	TGCGATCGCTAACTGCTGGGACAA
255	GGAGGTATAAGCGGAGCGGCCTCA
256	ATGCTGACATGTCGTGCACCTCGT
257	TGTGGTTAAAGCGTCCGTTCAACG
258	CGTTCACACCGGCGTAAGCTGCGT
259	CCTATCCCGGCGAGAACTTCTGTG
260	GTCTGCACTCACGCAGCGGAGGGA
261	GCACGAGTTGGTGCTCGGCAGATT
262	AACGTCGCACGACACACGTTTCGTC
263	ATGCGCGCTTATCCTAGCATGGTC
264	TCACGTTTTCGTCTCGACATGAGG

265	TGTGCCTCATCCTTAGGATACGGC
266	AGGTGGTGTGGGTCAACCGCTTTA
267	CTGGATCGAAGGGACTGCAAGCTC
268	TAGATCAACTCGCGTACGCATGGA
269	GATCCTGCGGAGAAGAGAGTGCAG
270	TACGTGTGGAGATGCCCCGAACCG
271	GCGCTATGTCAATCGTGGGCGTAG
272	AGCGAGGTTTCTAGCGTCGACACC
273	CGATGAAGACAGGTTTGCTGTTGC
274	ACCCAGGTTTTGCCGTTGTGGAAT
275	CCCTGTTAACGGCTGCGTAGTCTC
276	AGGCCGATTTACCCGCCAATTGC
277	GAGCCCTCACTCCTTGCCCTTTGA
278	GGGTGGACATCCGCCTCGCAGTCA
279	GATGGCTGAGAACCGTGCTACGAT
280	TCGACGTTAGGAGTGCTGCCAGAA
281	CGAATGGGTCTGGACCTTGCATAG
282	GTGCACCAGACATTGAACTCGGA
283	AGAGGCCCCGTATATCCCATCCAT
284	AACGCCTGTTCAGAGCATCAGCGG
285	AAGGCTCAACACGCCTATGTGCGC
286	AGTCCGTGTTGCCAGATTGGCTCG
287	ATGTCCCATGTAAAGACGCGTGTG
288	ATGGAGTCTGCTCACGCCCAAAGG
289	CGGCCTCCAACAAGGAGCACTAAC
290	CAGAGCCGTGGCAACATTGCGAGC
291	TCATTTGAATGAGGTGCGCACCGG
292	GACGTACCGGAAGCGCCGTATAAA
293	ATGCGAGCAATGGGATCCGGATTC
294	AGAGTGAGGCCTCCCTGACCAGTG
295	CGCACCGTAAGTAGATTTGCCCGC
296	AGGGTATCGGAGCCAGGGCTTACC
297	TGAACCTTTGAGCACGTCGTGCGC
298	TCCGCCTTTTTGGTTACCTCGAAG
299	GAACGCCAACGGCACTAACACATC
300	CCGACAGCAGCCAAGACGTCCCAG
301	TTGTACACCTGGGCCACGCACAGG
302	CATAAAAAACCTGGGGCTCTGCG
303	TGCCAACTGTGCAGACCGGACTTA
304	GCGGAAAGAGCGAAACCGGCTCGT
305	GGGATGCGTATTTTAGCGAACACG
306	TGGGATTCAGCGACCAGTACGCGA

307	CCCGATATTCGCCCCGGCCTATTTCG
308	CGAGAAGATGCCTCACGCAACCAA
309	AACCTTGACCCGTGGATGACGCTA
310	GGCTAGACGATGGATACCCGTGCC
311	GCCTCTTCTCGACGATGCGATTTT
312	GCTTCCGGATGAACGGGATGGTTG
313	CCCTCCATGTTCTTCGAACGGTTT
314	TTGATGGGCGGCAATGCTCTTGCT
315	ATTGTGAGATGCGCCAAATTCCCC
316	TCAGCACAGCCAGACGGTCAACTT
317	ACTCCACTCCTCGGTGGCAAATA
318	TCTGGGCATGCCTGGACGGAGACG
319	TCTCAACTCCGGTACGACGAAACA
320	TTGCGTGGTCAAAGGCGCAACGTG
321	AGACAGCGATCCGCGGCTCATGAT
322	CGCGTCTCTAACTGAGAGCAGCCA
323	AGGCGCACATGTACGGACATTGAG
324	GATGAGTGGCACGTCGGTGTGTAA
325	TGATCCATATTGTCGGACGTTGCG
326	ACCTGCCGGGAGTTCATAGGCTAG
327	AGCATTGGCGTTTTTCCGCAACGA
328	GGTAATATTGAGCGCGACCGCTCA
329	ATAGCGTACGACGAGGTGACGCGC
330	GGGTGAGGGAAAGAGCACCTGCCT
331	TAGGTCACGATGCGTTTGACGCTA
332	ACTGCCCCGTACCTCTGGTTCTGGC
333	CAAAAATCGGGTGAACATTGGCTG
334	CCTTTGGCCTGAAGTTGTCGTAGC
335	GTGCCCCACGAGCGTATCGTTGTA
336	AGGCGCTACGTGGGCCTGGAGCAA
337	GGGTGCTACCATTGCATTAGTCCG
338	ACCACGCGCGTACGTGTAACCGAG
339	CCATGATGCATTGGGTGCATTTAG
340	GGTCCGGCCCTACGAAACGTTCTGA
341	CCGTGTGGCTGGAGATTCGTGTGA
342	GTTAGGGCGACGCATATTGGCACA
343	GGGTCAGTCAGGTGCGTTAGGATC
344	GCCGTGAAGTCGAATGCAGATCGA
345	GCCACCACCCAGTGCATTCAGGTA
346	GAGCTTAGTTTGCGGTCATCGGGC
347	TGTTTGCCGCCATTAGGGAGTAAC
348	GCTCCGCTGGATGTGCCGGTTTAG

349	CGGTAGCATGCGAGATCCCTGTTA
350	CTACGCTCTACCAATTGCCTGCGA
351	GTGCCTCCTGCTGTATTTGCCAAG
352	TTGCGACTCGACTTGGACGAGTAG
353	TCTGGGAGCTGTTTACTCCAGCCA
354	TGCACGCGGAACTCCCTTTACCAT
355	TGGCAGCAAATGAATCGAAAGCAC
356	AACTGGTGACGCGGTACAGCGAAG
357	AGACGATTACGCTGGACGCCGTCG
358	ATGCCCTCCTTCATGGAAAGGGTT
359	ATTCTCGGAGCGTATGCGCCAGAA
360	ATAGCGGAGTTTGGGTACGCGAAC
361	ACCTACGCATACCGCTTGGCGAGG
362	GATTACCTGAATGGCCAAGCGAGC
363	CCTGTTAGCATCACGGCGCTTAGG
364	CGGAATGATGCGCTCGACAACGCT
365	TGAGAGAGGCGTTGGTTAAGGCAA
366	AAGCAGGCGAAGGGATACTCCTCG
367	TCACGACAGACGGGCCGAGATTAC
368	AAGCAATTTGGCCTCGTTTTGTGA
369	GCTGGTTGCGGTAGGATCGCATAT
370	TTGTGAATCCGTTCTGTCCCCGAC
371	CTCCGATGACAATTGTGGAGAGCA
372	TGGGCTCCTCTGAGGCGAGATGGC
373	GGATAGAGTGAATCGACCGGCAAC
374	TGCACCGAACGTGCACGAGTAATT
375	GCCAGTATTCTCGGGTGTTGGACG
376	TCGCTACCTAAGACCGGGCCATAC
377	TGGCATTGACGAGCAGCAGTCAGT
378	CGCGTCCCAGCGCCCTTGGAGTAT
379	ATGAAGCCTACCGGGCGACTTCGT
380	CCAGACAGATGGCCTGGAACCATG
381	TGGCGTGGGACCATCTCAAAGCTA
382	CCGCATGGGAACACGTGTCAAGGT
383	GCCCACTCGTCAGCTGGACGTAAT
384	ATTACGGTCGTGATCCAGAAAGCG
385	TGCGAGGTGAGCACCTACGAGAGA
386	GGGCCGCATTCTTGATGTCCATTTC
387	CCTCGGATGTGGGCTCTCGCCTAG
388	TAGGCATGTTGGCGTGAGCGCTAT
389	CGATACGAACGAGGATGTCCGCCT
390	TACGCCGGTTAGCACGGTGCGCTA

391	CATACGATGTCCGGGCCGTGTCGC
392	ATCCGCAGTTGTATGGCGCGTTAT
393	GGGTAAGGGACAAAGATGGGATGG
394	ATTGGAGTGTTTTGGTGAATCCGC
395	GAACCGAGCCAACGTATGGACACG
396	GCCGTCAAGCTTAAGGTTTTGGGC
397	ACCTGCTTTTTGGGTGGGTGATATG
398	AATCGTGGGCGCAGCAAACGTATA
399	GTCGCCGGATTGCTCAGTATAAGC
400	ACCCGTCGATGCTTCCTCCTCAGA
401	ATCCGGGTGGGCGATACAAGAGAT
402	TTCCGCATGAGTCAGCTTTGAAAA
403	GCAAAGTCCCACTGGCAAGCCGAT
404	CGACCTCGGCTTCATCGTACACAT
405	CTCATGAGCGCAGTTGTGCGTGAG
406	CAGATGAAGGATCCACGGCCGGAG
407	TCAAAGGCTCTTGGATACAGCCGT
408	TCCGCTAATTTCCAATCAGGGCTC
409	ACGCACGGCGCTTTTGCCCTTAATG
410	TGACAACGTCACAAGGAGCAGGAC
411	CTTAGTTGGGGCGCGGTATCCAGA
412	GCTCTAATGCCGTGGAGTCGGAAC
413	CCGATTACAAATTGACTGACCGCA
414	AGACGTACGTGAGCCTCCCCTGTC
415	AATGGAGCGATACGATCCAACGCA
416	GGAGGCGCTGTACTGATAGGCGTA
417	TGTTTTTTGAATTGACCACACGGGA
418	CATGTCTGGATGCGCTCAATGAAG
419	GCCCGCTAATCCGACACCCAGTTT
420	CCATTGACAGGAGAGCCATGAGCC
421	GAATCACCGAATCACCGACTCGTT
422	AACCAGCCGCAGTAGCTTACGTCTG
423	TTTTCTGAGGGACACGCGGGCGTT
424	GGTGCTCCGTTTGATCGATCCTCC
425	CCGCTTAGGCCATACTCTGAGCCA
426	TAAGACATACCGACGCCCTTGCCT
427	GTTCCCGACGCCAGTCATTGAGAC
428	TAAAAGTTTCGCGGAGGTCGGGCT
429	CGGTCCAGACGAGCTGAGTTCGGC
430	CGGCGTAGCGGCTACGGACTTAAA
431	GCTTGGATGCCCATGCGGCAAGGT
432	AGCGGGATCCCAGAGTTTCGAAAA

5

10

15

20

25

30

35

40

433	GAGCTTGAGAGCGAGGTCATCCTC
434	GCATCGGCCGTTTTGACCATATTC
435	CATAGCGCTGCACGTTTCGACCGC
436	ACCCGACAACCACCAATTCAAAAA
437	GCGAACACTCATAAGAGCGCCCTG
438	TTTTGGTGTGGCCGGTTGAAGCTC
439	CCGCCGAGTGTAGAGAGACTCCGA
440	GACATCGGGAGCCGGAACATGAG
441	TCGTGTAGACTCGGCGACAGGCGT
442	ATGCGCATATACTGACTGCGCAGG
443	ACAAGCGAACCCGAGTTTTGATGA
444	GCATGAGACTCCGCGAAGACATGT
445	TCCTACATGTCGCGTCACGATCAC
446	GACCGATCGCGAAGTCGTACACAT
447	GTCGCCAGGACTGGGCCGATGTGA
448	ACCGATAAGACTTGCATCCGAACG
449	TCCATAACCAGTCCGAAGTGCCGG
450	ACGCGCCCTGCATCTCGTATTTAA
451	AGACCGCATCAATTGGCGCGTACC
452	AGAGGCTTGGCAAGTAGGGACCCT
453	GCAATGGACGCCAGACGATACCGG
454	GCTGGACTTAGTCGTGTTCCGGCGG
455	GGGGCTCATGAACGAAAGGCCTTT
456	AGGCATCGTGCCGGATTGCTCCCT
457	TGCGCATGTGACGTTGAACAAAG
458	ATTGCATTATGCGGTCCCTCAAAC
459	TTCGGGTCACATCCGATGCCATAC
460	ACCCATCGCCGGAAGCGATGTTG
461	AAGCGCTGACTCGGCTAAGAATCA
462	ACTTCCAAGTCCTTGACCGTCCGA
463	TCTCAATATTCCCGTAGTCGCCCA
464	AACAGTTCCTCTTTTTCTGGCGC
465	CGTCTCCATGTTGTCACGAACAG
466	TGCGCAGACCTACCTGTCTTTGCT
467	ATGGACGGCTTCGCAGTCCTCCTT
468	TGAACGCTTTCTATGGGCCACGTA
469	TGAACCCTGCCGCGAGCGATAACC
470	GTTCTTGCGCGATGAATCAGGACC
471	AGGGTACGTGTCGCAGCTTCGCGT
472	ACCCTTGCTCCGCCATGTCTCTCA
473	GGGACAAGGATTGAAGCTGGCGTC
474	TGTCGTTGCTCCCGAGTACCATTG

5

10

15

20

25

30

35

40

475	GTGGTTATCTGCGAGGGCTTTTGA
476	GTTGTCCGAGACGTTTGTGTCAGC
477	GCTGGTGAACACTCACGAACCGCT
478	GCAGACAGGGCAAATCGGTGCAAA
479	CCCATCACAAACGAGTGGCGACTTT
480	GCTTCTACAGCTGGCGTGCTAGCG
481	GAATGTGTGCCGACCATTCTAGCC
482	CCAGCGGAAGTTAGAGCTCTGTGG
483	TTTTTACCGACCACTCCATGTCGG
484	GCGGCTATGTGATGACGGCCTAGC
485	AGTACACGGGCGTGTTAGCGCTCC
486	TCCTGTGTGGTGGCGCACTCCAC
487	CCAATAACCAATCGCGCGGATGA
488	AGTGAGTGACCAAGGCAGGAGCAA
489	CATCTTTCGCGGAGTTTATTGCGG
490	CTTCGTCCGGTTAGTGCGACAGCA
491	CTCACGAAAACGTGGGCCCGAAAT
492	CGCAGCAGCTGAACTCTAGCATTG
493	AGGAGACATACGCCCAAATGGTGC
494	ATTGAGAACTCGTGCGGGAGTTTG
495	CTCTTTGTAGGCCCAGGAGGAGCA
496	GCCGCAGGGTCGATAATTGGTCTA
497	AAACGCCGCCCTGAGACTATTGGG
498	CTGAGTTGCCTGGAACGTTGGACT
499	CGGATGGGTTGCAGAGTATGGGAT
500	CTGACCTTTGGGGGTTAGTGCGGT
501	GGAAATGAGAACCTTACCCAGCG
502	AACGCATCGTCCGTCAACTCATCA
503	TGGAGAGAGACTTCGGCCATTGTT
504	ACGGAAGTCACGGCGTCGCTCGAA
505	TTGCGCTCATTGGATCTTGTCAGG
506	AGCGCGTTAAAGCACGGCAACATT
507	AGCCAGTAACTGTGGGCGGCTGT
508	CGACTGATGTGCAACCAGCAGCTG
509	GGTTGCTCATACGACGAGCGAGTG
510	GCGCAAATCCACGGAACCCGTACC
511	ACGCAGTTTATTCCCCTGGCTTCT
512	AGAACCTCCGCGCCTCCGTAGTAG
513	AAAGGAGCTTTGCCCCAACGTACC
514	AGTGATTGTGCCACTCCACAGCTC
515	GCGATCGTCGAGGGTTGAGCTGAA
516	GGGAGACAGCCATTATGGTCCTCG

5

10

15

20

25

30

35

40

517	GAGACGCTGTCACTCCGGCAGAAC
518	CCACCGGTCGCTTAAGATGCACTT
519	CGGCATAACGTCCAGTCCTGGGAC
520	AAGCGGAACGGGTTATACCGAGGT
521	TGCACACTAGGTCCGTCGCTTGAT
522	AGGGAACCGCGTTCAAACCTCAGTT
523	GAATTACAACCACCCGCTCGTGTT
524	TTCAGTGCTCACGAAGCATGGATT
525	TTAGTTTGGCGTTGGGACTTCACC
526	AATGCGACCTCGACGAGCCTCATA
527	CCGAAACCGTTAACGTGGCGCACA
528	TAAAGTAACAAGGCGACCTCCCGC
529	TAATGATTTTAGTCGCGGGGTGGG
530	GGCTACTCTAAGTGCCCGCTCAGG
531	TGGCGGACGACTCAATATCTCACG
532	GGGCGTTAGGCGTAATAGACCGTC
533	GCCACCTTTAGACGGCGGCTCTAG
534	GAGATGTGTAAACGTGCAGGCACC
535	CAACCTCGTTGTGAGTTTCTCGG
536	TAGCTCGTGGCCCTCCAAGCGTGT
537	GTGTCGGCGCTATTTGGCCTTACC
538	CCAGGGAAGCAACTGGTTGCCATT
539	TTCCGAAACTAAGCCAGAACCGCT
540	GCAAACCCGGTAACCCGAGAGTTC
541	GCAAATGGCGTCATGCACGAACGT
542	AGTACTTTTCGCGCCAGTTTAGGG
543	AAGATCTGCGAGGCATCCCGGCTT
544	GCAAGTGTATCGCACAGTGCGATT
545	CCGACAAGGCCTCAATTCACTCTG
546	GTCTCGTCTCAACTTTAAGGCGCG
547	ATCCAGAGATCCGTTTTGCAGCGT
548	GTCACCAGGAGGGAAGTTTCACCC
549	TATCTTACGCCCCACGGTCGAGCT
550	TTCCGTCAGGCGGATCAACGGAAT
551	ATGCCGGACACGCATTACACAGGC
552	TGGGCCGCTTGGCGCTTTCATAGA
553	CCTAGCGCGAGCTTTACTGACCAG
554	TTGGCCAGGAATATGGTCTCGAGA
555	GTCTGCGGCCGACTTGCTATGCAT
556	AACTTGCTCATTCTCAAGCCGACG
557	ACGTCAGCGATTGTGGCGAAATAT
558	ACGGCCTGCGTCAGCACATGCATC

559	ATACCTCCGCAGAACCATTCCGTT
560	AGTTCGCGGTCCCACGATTCACTT
561	TGCTCAATTTGTGCAGAAAACGCC
562	TTATCGCGAGAGACGACCGTGTCC
563	GACGCGACGTGAGTAGTGGAAGCG
564	ATGGTAGGGGCATTGGGCTTTCCT
565	CCAAATATAGCCGCGCGGAGACAT
566	GCAAACCCTGATTGAATCGTGCCC
567	TAGCGTCTTGCGTGAAACCATGGG
568	CCACCCCGACAGCGCTGGACTCTT
569	ACGAGCACTGAAGGCTGCTTTACG
570	CATATCAGCGTCGTCTAGCTCGCG
571	TGATCCCGGACCGGCTAGACTAAT
572	GGCCCCGACACTACAGGGTAATCA
573	GGCTCCAGGGCGAGATTATGAATG
574	CAAAATCCGATGGGCGGAAAATTA
575	CACAGGCGCATAGGGAGCAAGCTA
576	TAGCTATTGCCCCGATGGGCTACT
577	TGGTACGCGGTCCATAGCAAGTCG
578	GACGCTGTGGCTCGGAACTGTTC
579	CCTGGGTTGCGCGCGTGGTAACTG
580	TTCCCGCGTAGCCCAACAGCTATA
581	TTCGCGGATTGCTGCCGCATAACA
582	AAAAATGGCACC GAAGTTGAGGCA
583	CATTCCGCGCGAGTTGAAATCCAG
584	ACGCACGTTTTTTGGCACGGTTAA
585	TGTCCATGACGTCGTTTCTCTGGT
586	TCTCAGTCGGA CTGTATGCCAGA
587	CTCCAAACGCACACATCAAGCATC
588	TTCAACCAAGCGGGGTGTTGCTGA
589	GGTGTCCGAGGGTGGTGACCTCGA
590	AGCGCTTTTGGTCATGATTGCAA
591	CCGAGGACTTACGTCTGCCCAGGA
592	GCCCAATCCAGTTCTTATGCGCCC
593	AAGCTTTGCGAAAGGTGTGTTGGC
594	CGGGTTAACCCACGCAAGTTATGA
595	TGATTAGCGCTCAATACACGCGTG
596	AAGGGCAGACCTTTGGTTCGACTG
597	GCGCCACAAGATTCACATGTCATT
598	GCCATGTTCAAGGGCCTTTCGAAG
599	CGCGGTGTTTTGTCTAGGTGCCGG
600	CAACATTGTGGTGGCACTCCATCC

601	CGATACGCGCCGGTTTGTAAATC
602	GGCTATAAACGTGCGGACTGCTCC
603	TGGGTAAATCACTATTGCGCGGTT
604	GTCTTCATCGGCCCCGCGCAAGCTA
605	GCGACACACCCTGTACTCTGATGC
606	GTAGCAGGGTCCGCAAGACCAAGC
607	TCGCCAACGCAGGGTAACTGCCAT
608	ACTCCGAAGCTTCGAGCGGCACGA
609	TCCCGCCCCTAGACTGACTCGTA
610	ACCTTCTGGGGTCGCTCACCAATA
611	ATCATCCCACGGCAGAGTGAAGAG
612	CGCTGGACTGGCCTATCCGAGTCG
613	CGGTCTCAGCAACACTGTCGCAA
614	CGAACGTTCTCCGATGTAATGGCC
615	ATACCGTGCGACAAGCCCCTCTGA
616	AGCTCATTCCCGAGACGGAACACC
617	TTTCATGCGCCGTTGCAAATCAT
618	ACTCGAACGGACGTTCAATTCCCA
619	CTGCATGGTGTGGGTGAGACTCCC
620	CCGCGAGTGTGGATGGCGTGTTGA
621	AATGTGTCGGTCCTAAGCCGGGTG
622	TAAGACGAGCCTGCACAGCTTGCG
623	GGCGTGGGAGGATAAGACGATGTC
624	TGCTCCATGTTAGGAACGCACCAC
625	CGGTGTTGGTCGACTGACGACTG
626	CCGCGCGTATCTATCAGATCTGGG
627	AAAGCATGCTCCACCTGGAGCGAG
628	ACTTGATCGCTGGGTAGATCCGG
629	TGCTTACGCAGTGGATTGGTCAGA
630	ATGCAGATGAACAAATCGCCGAAT
631	GCAATTCTGGGCCATGTATTGCTC
632	AGGGTTCCTTACGCGTCGACATGG
633	GTGGAGCTAATCGCGAGCCTCAGA
634	TCGTAGTCTACCGGCAATGATCC
635	TTATAGCAGTGCGCCAATGCTTCG
636	CGAACAGTGCTGTCCGTCGCTCAA
637	TCCGCGTGGACTGTTAGACGCTAT
638	CATTAGCCCGCTGTGCGTAACTGT
639	GGAAAGAACTCAGACGCGCAATG
640	CGACTCGCTGGACAGGAGAATCGT
641	CATGATCCTCTGTTTACCCGCGG
642	GGCGTAGCGCTCTAAAAGCTTCGG

643	AGTGATGCCATCAGGCCCGTATAC
644	TATGGAAAGGGCAACAGCGCTATC
645	CTGTGGTTGATGGAGGATCCACAC
646	ACTCGCTGGAATTTGCGCTGACAC
647	CAGGCCCGAACCACGCGGTTACAG
648	GGCGCAATGGGCGCATAAATACTA
649	GGTCAATTCGCGCTACATGCCCTA
650	TGAGGGCTGTTTGGTATTTGACCC
651	GATGGTGGACTGGAGCCCTTCCGC
652	CCGCGCATAGCGCAATAGGGGAGA
653	TCTTCTGGCTGTCCGGCACCCGAA
654	GCGTTCGCAATTCACGGGCCCTTA
655	TCGTTTCGGCCTTGGAGAGTATCG
656	AGGTGCAAGTGCAAGGCGAGAGGC
657	CGCCAGTTTCGATGGCTGACGTTT
658	GCTTTACCGCCGATCCCAGATATC
659	GTGCTTGACGAAGAGGCGAAATGT
660	CAGTCCGTGCGCTTCATGTCCTCA
661	TACGCGTAAGAGCCTACCCTCGCG
662	GGCGAGTCTTGTGGGGACATGTGT
663	CCAAAGCGAAGCGAGCGTGTCTAT
664	GCCGTAGGTTGCTCTTCACCGAAC
665	AAATCCGCGATGTGCCGTGAGGCT
666	GGCTTCGCACCCGTACCAATTTAG
667	TGTAGAGTCCCACGTAGCCGGCAT
668	CACTAGTCTGGGGCAAGGTGCATT
669	TGTA CTGCGCAGGCGCAATAGATT
670	AACGGGTATCGGAAGCGTAAAAGC
671	CGGACTGCCCGTTTGCAAGTTGAG
672	ATCGTT CAGCACTGGAGCCCGTAA
673	ATGCATCGAACTAGTCGTGACGGC
674	TTCCAGGCATTAAGGAGAGGGAGC
675	GTGCGACATCTACTCCACGATCCC
676	CTCATCGTCCTAACACGAGAGCCC
677	AATGGCACTTCGGCGGTGATGCAA
678	CCGTGGGAGGGAATCCAACCGAGG
679	AAATTCTCGTTGGTGACGGCTCAT
680	TTGCTCTTATCCTTGTCTGGGCG
681	TTAAGGATCAGGCGGAGCTTGCAG
682	CGCGACTAAGGTGCTGCAACTCGA
683	GCTCGATTTACGGCCCGTTGTTC
684	AGCAGAGTGCGTTGCAGAGGCTAA

685	TGGAGGTGAGGACGACGTGCACTA
686	AACCGTTTAGGGTACATTCGCGGT
687	TATGATCGCTCGGCTCACAGTTTG
688	GACTTTTTGCGGAAACGTCATGGT
689	TGTCGGTTATTCCACCTGCAAGGA
690	CTATGGTTTGCACTGCGCCGTCGA
691	AGCAGGGAAATTCAATCGTTCGCA
692	CCTAACCGAGCGCTTAGCATTTC
693	CCCGACCCTAACTCGCATTGAATA
694	TTGCTTAATGGTGACGCCACGGAT
695	GATGCTCGCCGTGTTTAGTTCACG
696	TCGGATGACGAGTTTCCATGACGG
697	ATGCGGTCTACTTTCTCGATCGGG
698	TTGCGAGGCTAAGCACACGGTAAA
699	AACTTAATTACCGCCTCTGGCGCC
700	GTGACCGCGAACTTGTTCCGACAG
701	TGCGGATTACCGATTCGCTCTTAA
702	TGATAGGGGGCCACGTTGATCAGA
703	TCGCTCCGTAGCGATTCATCGTAG
704	TGTCAGCTGGTAGCCTCCGTTTGA
705	AGCGTCGCATGACGTTACGGCAC
706	TCACTCAGCGCTGTGACTGCCTGA
707	GTTTGCGCTATAGTGGGGACCGT
708	GTCGCATTCTGCACTGGCTTCGCC
709	TGATTAGGTGCGGTCCCGTAGTCC
710	AAGGGACCTTGGGTGACGGCGAGA
711	TCAAATGGCCACCGCGTGTCATTC
712	CTCCGACGACCAATAAATAGCCGC
713	GGCTATCCCGTAGAGAGCGTCCA
714	TGGATAACCTCTCGGTCCATCCAC
715	GACCGCTGTACGGGAGTGTGCCTT
716	GCCACAGAGTTTTAGCAGGGACCC
717	CCCACGCTTTCCGACCACTGACCT
718	CATTGACACAATGCGGGGACTGAT
719	AGCCACTCGACAGGGTTCCAAAGC
720	CAGGATGAGCAAAGCGACTCTCCA
721	CAAGGTATGGTCTGGGGCCTAAGC
722	GGTGTTCCGGCCTAAACTCTTTCGG
723	TTTAGTCGGACCCTGTGGCAATTC
724	CACACGTTTCCGACCAGCCTGAAC
725	CTGGACGAACTGGCTTCCTCGTAC
726	TTACAATCCGCCGAAAACCTGACC

5

10

15

20

25

30

35

40

727	AACAGGATATCCGCGATCACGACA
728	TACGTCCGATCCATTGCGCCGAGT
729	CATGGATCTCTCGGTTTGATCGCC
730	AGCCAGGCGCGTATATACGCTCGG
731	ATTTGGCACGTGTCGTGCCATGTT
732	CCGCGTTGCACCACTTTGAGGTGC
733	TTGGACGTGACAAGCATGGCGCTC
734	CTGAATCGCGCAAGTAAATGGGGG
735	GATAAGGTCCACCAGATTGCGCGC
736	CTAACAATTGCCAACCGGGACGGC
737	GGTAACCTGGGTGCTTGCAGGTTA
738	ATCGGAGCCACCATTGCGATTGGG
739	GTGAACTGGCTTGCCCCAGGATTA
740	AGGCGATAGCATGGTCCCATATGA
741	AACGGTATCGTGGCTAATGCACGA
742	AGTAGTGGTCCTCCAGATCGGCAA
743	CCGTTGAATTGGACGGGAGGTTAG
744	GCATAAGTGCGGCATCGCGAAGGG
745	CGACAAGATGCAGCTGCTACATGC
746	TCGCAGTGATTCCCGACCGATAAG
747	CAAGGCGAGTCCACTCGAGGGGAC
748	GCAACTTGACGGCATAAGTGGCC
749	TCCGAGCTTGACGTTGCGGACGTC
750	AGCGCTGGGCTGTGCTGCCATCTC
751	TTCATGTCGCTGAGTAACCCTCGC
752	CGAACCGCTAATGCCCATTTGTCAG
753	CACGGAAGGTGGGACAAATCGCCG
754	CACAGATGGAGACAAACGCGCCTT
755	TTTTCGCAACTCGCTCCATAACCC
756	ACGTTACGTTTCCGGCGCCTCTAA
757	TATCGGATTGCGTGGGTTTCAATC
758	CTTCACAATTGTCTGCGACGCAC
759	TGCACAAAGGTATGGCTGTCCGGC
760	ACCGTGGCCGGGCCATAAGCTACG
761	TCCGATGCCAGTCCCATCTTAAGA
762	CTGAAACCGTGCGAATCGAGGTGA
763	CGGTGTTCCGCGTGTCGAAAAAAT
764	TCTAGCAGGCCTTTTGAATCGCCA
765	GAGTCACCTCTGAGACGGACGCCA
766	TCTTCTGTCATCCTGCAGCAGCAT
767	GCGGATGAAACCTGAAAGGGGCCT
768	GGGGCCCCAACTGGTATCAAGCC

769	GCATTGGCTTCGGATTCTCCTACA
770	AGGCGGCCCAACTGTGAGGTCTTG
771	ACACCATGTGCTCCGCGCTGCAGT
772	ACGATGAACATGAATCGGGAGTCG
773	CTGCATCCCTGTAGCAGCGCTCCG
774	GTGCCGTATTTTCGACCTGTGCGTT
775	GCAGTGCGCACTTCAGTTCAAAAG
776	GCGATTTTAAGCGATGCCTTGACG
777	TAGGTGACCTAGGCTTGCTTGCGG
778	CTGGATACCTTGCCGTGTGCGGCGC
779	CCCCTTACGGCTCGTCGTCTATGC
780	GCGCTTGCCCGATGCGATGCATTA
781	TTTCTGTAAGCGGCCTGGGGTTCA
782	GGCTGAGGTGAGCGGTAAGGATGA
783	TCTTGGCCTCCCCGATCTAATTTG
784	GGAGGTAACGCCGTGTACGTAGGA
785	GTAATCCATTTGTGGCTGCGTCAA
786	CAAACCCATTCCAGCAGACGCCTG
787	TAGGAGGAATTTGGCATGCGGGCG
788	ATAGGTAGGATGTGCCCCGCGTTG
789	GCAAGTGCTTAGCTCGTCAGCCTC
790	CTGGCTGTGTCGCATCTCGTTAAC
791	CTAACGTCGTCTCGCGCAATCACT
792	TTTTCATAAACGTTGTCCCCGAGC
793	AGCAGGAGGACGAACCTCCGCTCC
794	TTCAAGCACCATCGTGCAATCCAA
795	AGCGTCGCCAGTGATCGCTAGTGG
796	TACATTCCCTGCCTCCGTGGGCTT
797	CGCTTCGCGTATTCAGTAGCGGTT
798	TCGGACGCGTCGACACTCATTATA
799	TCTGAGCAGGCCAGCGCTCCAGCT
800	TTGAATTGCCAAGCCCTGAAAGCC
801	AGTTTTCGCCTTGATGCGTCGGTG
802	GTTTCATAGGCCACGCGTGCTAAA
803	GGAGCGAAGACTTCGTCTGCCCAA
804	ATTGGCCGAGGGTGAATGCAGCCT
805	TGATCCATCCGAATGCTTTTCCAT
806	GCACACAGTTGTCTTGCCCATGA
807	CTGGCGGGCAGTGGAACCAAC
808	ATCTCCATGCGTAAGACTGCTCCG
809	TCTCCTCTCGTCGCAGTTCTGTGGA
810	TAGCGTATTCACTCTTGCCGAGCA

811	CAATCAAAAGCCACGGCGCGATGG
812	AGCGTCACGGAATTCAGCAGATCT
813	GACTCCCTGTTAATGCGCCCAAGG
814	TAGGCACTGCCGTTTCAGATTCAA
815	AACAGGGTGATAACGGTGGCCAAT
816	CGTGCGTACCATGTGTAAGTGCGT
817	GACCAATTCTACTTCGGCAGCCCA
818	ATCGGACCGATTTGCTTTTGGCTG
819	TCCGCCGAAGCACACGCTTATTCG
820	AACGGTACGCATTGTGAGCAGTGT
821	TGGCGACTACTGTTCCCCTGAATC
822	CAGAGGGGACAGCCGTATGCCTTA
823	CGGTGGTTTTATCGGAATCTGCGA
824	TTGGCCTCCGACCTCACGACATAT
825	CGTTTCGCTAGCATCTGGCGCCGA
826	ACTAAGCGGTGGAGCCGGTGGATG
827	ATATTGGCTGCGTTTACGGGCCGC
828	CCGCTATGGTGGCAATCCCGATAC
829	GTTGCATGTGGCTCAGGCGGCATA
830	ATTCTGGGGAGTGACCCAGGGCTT
831	CTCTCCAAGGAGACGAGCCAATGT
832	GAAAGGACGGGATTTGGGGGCTAA
833	TATGTAGTACCTTGGCTCGCGCCA
834	TCCCTTTTCGATGAGCGGCTGTA
835	TAGATCGGGCAGAGCCCGTATCTT
836	GGAATGCTTTAGGCTGCCGAGCTG
837	ATGGTAGCAACATTCAACGCCAGG
838	CTATGAAACGTGTGGCCCAGCAAC
839	ATGTTGCTAGTGCCTTTCGGGCCT
840	CCAATGTGCGCAGACTCAGTCATT
841	GATAGTGCTCGCAAACGGGCCTTC
842	GCACCCTGTTGCCTCATTGAGCGT
843	GGCGTGAATAGAGTGACCAGGCGG
844	ACGTGCCAGCTGCGGGCACTTTAT
845	AGTGGAATAGTCGCGTCGTGCCGC
846	ACTCGCCTATTACCGCTGGATTGG
847	GAGACCGGATTGAGATGATCCCGT
848	AAAATGGCAGGCGGCAAGCAATTG
849	CTGGCAGTTTACCACCGAACCAGT
850	TTACATTGCCGATTTGCGATGTGA
851	TAAACTGAAGGGTCGCCTCAGCA
852	GGCTTCGCATGCCTTTGCAACATT

853	AAGACCGAAGGTCTCTCTGAGGGC
854	GCCTATGGCTCCAGCTCAGCAGTA
855	CGTATCATAGCGTTCCGGTGGACAA
856	CATGCGCTCGCACTCTGCCTGTCT
857	TGGGCAATTCGGAACGTCGGTCT
858	TTGCGGAGATGCGACGGTACATTG
859	ACTTTTCGCACGTCGATCTGGACTG
860	CTAACTGCCGCGGCAAACCTGATTA
861	GGCCGCGGATTTTATTCCTTGGAT
862	GAATTTGGAACGGTGTTCCGATGA
863	GTCCATCCATCTACGGCATCAGGA
864	TAAACGACCTGGCACATGTGCGTA
865	CACCATCCAAGAGCCAATCCTAGG
866	ACTCATATACGATCAGTCCGCCGC
867	GTGCCAACCGACGATCAACCGAAC
868	TGGGGTTTCGTACAGGTCGGTTCAT
869	AACAGTAGAGGCGAGGCCTGCGGG
870	TGCATCGAATCCGAGATGGATCTT
871	GCGTCACGTTATGTCCGCTCTGTC
872	GGGACATGCGTAGCGCAATATCAC
873	CACACGTACACCATCCAAAGTGG
874	ATGCTCAGGTGCTAAATACGGCCA
875	AAAAATGTTTAGCGCGCTGACTGG
876	ATAGTCCGTTTCCGTTCCCAACGA
877	TCGATCTTCTGGGTTGCAGACCAG
878	GTCGGCGCAGCCGATCCTCATGTC
879	GTTGCGGGGTGTCGAAAAGGATCT
880	ATCTCTTCCTCGGGTGGATGCCAG
881	TGATGTGCGTTTCAGCTTTTCGCG
882	GTTAAGGGGTGAGAACATCCGGCC
883	AAGTCGTCTCCCTGCGTCTCGTCC
884	CCGACCTAATAAGGCGCAACAATG
885	CATCATTGGCACCGTACCAATGCC
886	TGGAGAAAGGGAAGTGCAGCAACG
887	TGGTACTCCTTGTCATGCCTGCCA
888	GGCACAGGTTCTCTTGACGCGCGG
889	GAATCTGGGCATTGCTACGAGACC
890	CGAAATGGGAGCGTCCACTACCAC
891	ACATATGAGCTCGCGTGCTTGAT
892	TCGAGCACGGTCACTGATAAAGCC
893	GAGGGTCCCTGCTCAGAGTTGGTT
894	AAATGCGATCGCCCCTTATGGAAT

895	CTACCCGAATGGATTGCGGATGGC
896	AGGGACTGGCAGGTCTCTGCGCGT
897	TAACGATCCATTCCACGAATGCAG
898	GGCCGCACGTACGATTACGCCTTG
899	TGGGGAATGCATCAGTTGTTGGCT
900	TATCTGGGAGTAGCAGGCAGGGCC
901	CCGAAGGTTTCACGCTCAGGTCGC
902	GAACCCAGCTGGGACATCCTTCAG
903	TGCATGCGAGCAAATAACCCGGAC
904	AATTGTCCGCCAAACGCTTTTCAG
905	GTCGGCTTCGAGCGATCGAGTGTG
906	TCGCGTGCTCTACGTAGCCCATGA
907	GGCTTCCGCGATAACGTAATTTCGC
908	TGTAGCCGACTAGGGCCGAAGCCC
909	AAGCGAACGCCCTGGCTGAATATT
910	TGTCACGCGACGTGCTGCAGATTT
911	CCGTGTCCGTGTTGTGACAGGCG
912	CCCCACACGTTGCGCCTATATGTG
913	GGCGGGCACAACCTCAACACAGATG
914	CGACTGCGGGATCACCGGTGATTA
915	TCGGGACATGACCGGTACGGAGTC
916	TACCTCGAGTGGCCGTTGATCGGG
917	TAATTCATGGGGCTAGCCGAACCA
918	ACACTCTAAGCCGATTCCGTTCTGA
919	GTGGGCGTGAGTGACACGCACAAA
920	ACGACTCCTCGGGCAAAGTACGTA
921	TGTGGTCATGGCGCTACTGTTTTTC
922	CTTTCGCTAGCCAGAGCGGGTTCC
923	ACAGGGCGTGTTAGCGTGTGACAA
924	GGTACTTCCGGCGTATCGGGCCAC
925	GTGGGTTTTGTTACCCCTTCTGGG
926	ACGCAATTCCGCATTACTTACCCG
927	CGCCTCGACTGCGGTCAAGCACAA
928	GTGAAATGGATCCAGAGAGGGCCA
929	TATAAACGCTGCAGGGCTCCGTTA
930	GTTATTACAGGCGGCTTGTAACGGG
931	GGGTTCTAGCGTGCGCGTTCAGTT
932	TTGGGCTCGAGCGGTACACCACTA
933	CCGTCTTCAGGACAACGGTATGCG
934	GGACCCTTTGACAGATTGCGGCAC
935	TAAATTTTATCGCCAGGCGGCGCT
936	GCCGAACGCAAGATCGCTTGAAC

5

10

15

20

25

30

35

40

937	TAGGCCATTGGTGCCCTAAGACGG
938	CAAACCACAGCTTACAGGCTGCGT
939	TAAACGGAGACTGGCACGGTAGCA
940	TAGCGCGCATCACACTTGAATCG
941	TGCTGACACAAACGAGCCGTTTCG
942	CGCTTAACGGCATTGACTGTCCAC
943	TTCCACGGCCGTGTATTACGGATA
944	TTTATGCCGTTGCCGAGGAAGACT
945	AGTGCCGAGATAGGGGACTGGGCG
946	CTAGTCTCCACGCCCTCGGGACGA
947	CCGCCATTCCGAAGATGGATGATG
948	TGACGGTGAAAGTCGATTGCGAAG
949	ATATGCGTCACCACCCGGTTCCGA
950	CCATCAGTGAAGGGGTTGCTGCCA
951	CATATGTGCTTGGCTTGCGATGAC
952	TCTGCTTTGGAAGCCTGAACTGCT
953	CGATTTGGTCAAGAAGGCGGAAAT
954	ATCAGAGGCCTTCCCGCCTCGTTA
955	ATTGTTGTCGTTGCCACATCGCAG
956	TGAAATGTGTCTGGACGCGAGTCT
957	GCGGGCGATGCTCCTTAAAGGGTA
958	CCGCAATCTCCATGCGTCGACCGT
959	TGCCGCGTAATCACCTGGAATTG
960	TTCCAGTAGCCAGCGGTAGTGTGA
961	CTGAATCCGCCTATTGTTCCGGCA
962	GCTTGAACCTCGAGGCGATGTTCT
963	CAAGCGTGGAAGTACGACCCGCCA
964	GTGTGCACTGGATCCGAGCCCTAG
965	TCCCTGGGCTAGCATTGCGAGGTT
966	AGAACCAAAGACGCTTGTTTGCCG
967	CGTCACATGCAAACGTTCCCTCCC
968	TGACCGCATGTGTATTGAGTCGCT
969	GCGGGCCCAATGAGTATCCGTCAT
970	TAGTGACTGTGAACGCCCTGGTT
971	GGCACCGTCTGCCGCGCGTATATC
972	TCGATGCAGTCTTTTCCCGTCAA
973	ACCCCGTGGGGTTTCGCCATTTTT
974	CTACACGCGCAGTTGTGACTTGTG
975	CGCAGCGACCTCATCTCTGGAGCC
976	CGACCCAGCACTCCTAAAATCGGT
977	ACGCGCCGCTCATCACTACAATCT
978	CGCAACTTCCTGTGGCAAAGCCAG

979	TCGTTGGGCACATAAGGCAACTGA
980	CCGCTTGTAATTGCCATTCTCCGT
981	GTAACCAGGGAGTCCTGGGCTGTG
982	AGCGCAAGATCTGGGGGCAGTCAC
983	GCGTACATCTGCTCATCAGCATGG
984	CCTCTGTGGCAGGAAAGAAACCGT
985	CCTATGCAATGGACCTGCATCGGA
986	CTCGGTGGATGGCGAATAAGGATA
987	CCTCACTCGTGATGGCGTGACGCA
988	TACGCTCACAGAACGCCATACGCC
989	CCGGAGAAGTTACGCGGATCGGAC
990	GCGCCCTCACTGCATTTTTGGTAT
991	ACTTTCAGCACGCGAACAGCGCAA
992	CTAAACGCCCTTGATGCATGAGCA
993	GCTTGCCTTTTACGATCGTCGCTA
994	CAGACATCGTACGCACTCGGCATC
995	TAGCCGCGCGGCTCCTATGCTCTT
996	GATGCCCTTTTGGTCCCCATGCCA
997	TGAGCTGCCTTGCCACGATGCCTC
998	CCGCCGTATACGTGCCATAGTTTG
999	TAGTGCTCTCCGCGCTCATCCAAC
1000	CCCTAGATAAGTTGGGGTGGGACG
1001	TGAAGGGCCACCTGATATGGTTTC
1002	GCCGCCTCCGACTGGTTAACCCGA
1003	CGCACGGCTACTAACAGCGGATCA
1004	CCGGACCAATTCCAACGAGCATCG
1005	CATTGAGGTCCACCGTTCACATCC
1006	AGGACGCAGCATGTCCCAGCCGAG
1007	TAATCGCGGGCCATACTACCAACG
1008	CGCAAATTTCTCCGGTCGGCAAGC
1009	GTGGCTCGACTAATGCCTTGCGTG
1010	TGTGGGCGTGTTCCGGCTCACTGT
1011	GTTCTTCCTTTTCTGCGGTGGGAA
1012	ACCTCGAGTCAGATTGTGCGCCTT
1013	CAAGTGGACAGACGGTTTGTTCGG
1014	TCCAGTTGAGTCGCGCCGACGAGG
1015	CGCAACAGGTGAGCCCTTATTTGC
1016	GCCGTGACTCCTGCAATGTCGGTA
1017	ATCAGCGCAAGCTGGTCTGAAACA
1018	CCCTGGCCAGAACGAGAGGCCATG
1019	ACGATCAAGGACTCGTCAGGGTTG
1020	TTCATGGCACCAAGACCACCGTTA

1021	ACAGCAAGGAGATGGATTGCGACG
1022	CGTAAATATCTGCGGCGGTGTGAA
1023	GGAAACACGTGTTCTGTCTGTTGGC
1024	CGATGTTAGGATTCGGATAGGCCA
1025	ATCGGACAAGGACAAGTGGATGGT
1026	GCCCCGAGGACAAAGTTCGAGTTA
1027	AAATCCGACAAATGGGCACATGGA
1028	CAGTTAGGGGATGCGGATGAGTGA
1029	CGGCAGGTGGAGATTCCGACATTG
1030	TAGGGCAGCCAGGTTCACTCATCT
1031	GCACCGTATTAGCAGTAGGCACGC
1032	ACGCATTACAGGTGTGCGAAGGGA
1033	CGTGACTGCACGTGTTCCACAGGG
1034	GCTGAACTACCGCCTAAAATCGCG
1035	AGCACGCCAGGGAGGATCGAGTTA
1036	ATGAGGGCAAGGAATGGGTCATGC
1037	GGGTCTCTCGTAATCAAAGGCCGA
1038	TATCTTGCGCAACGCCTCCATTTA
1039	GGTTACACCTACGGAATCCAGCGG
1040	ACACCGAGTTGGTCCGGTCAATAG
1041	TCCCAGATTAAACGCTAGCCACCG
1042	TTGGTGAAACTGGCCCGTCGGAAG
1043	CCAGGGGAGTTGACAATGAGGCTG
1044	TCTGCGTTATTGGACCGTTTGTCG
1045	TATGGGATGCTAAACCGGCGTACA
1046	CACAGACGTCTGTCGGGCTTGTGT
1047	AGAATGCCGTTTCGCCTACTCCCGT
1048	CGACGGATAATGCAGGCCTCATGA
1049	ACCCTCTAAAGCAATAGGTCGGCG
1050	CACTCACGGCAGAAGCCTGCTTGT
1051	ATCAGCCCACATATTCTCGGCCGT
1052	CAAATCTGGGGTCGTCCTAAACGC
1053	TGTCGCCCATGGCAGGTAAATAC
1054	GGGGGCCCATCAATTCATTATCGA
1055	GTCGAGCAGCTTTAGTATCGCGGG
1056	CCGCTAAGCACCGAAGGCTCACAA
1057	TAGAATTAGCGAACGGTGATCCCG
1058	CACATGACATTTGGCAAAGGTCCA
1059	TCAACGCACTGGCGATGACTAGAT
1060	CGGGAAATGTCTTTAGCCGTCGAA
1061	ATCAGAGCAAATCTGCAGCGGGGA
1062	GGCCTGTTTCTGTCCAAGTGGGCT

1063	ATTTACCTCGCTGATCGCTTCCG
1064	AGTGACGCCGAGTCGCGAGGGTTA
1065	AGTTGTCTCATCCTGTCCGGGACC
1066	CTTCTTTGTGCACACTTGCCAGGG
1067	CACCTCATCGGAGCATAGCAACCC
1068	ATGCGATCCATGACAAGGGTTGCT
1069	CCCGTGGAGATGATGTGCGGCTTA
1070	CCCAATAGACGCCACAGCCAGTGA
1071	AACGACCACGACCCTCGCCGAGTA
1072	GGTGCTTTGTCTGAGGCGAGTGAA
1073	CTGTCGGCGCTGCTCTCCGAATTT
1074	CTCGCCGGAGTGTTGTAAGCATTG
1075	AGCAATCATGAGAGGTGGCCGGTG
1076	ATTTGCCACCGGCGACAAAAGAT
1077	CCGCCCGTGTTGGCATGTCTTTTG
1078	ATCGGAAGTGCTGACTGACACACG
1079	CCTCAGACCCTATCTGGGTTGACG
1080	CTGTGTGGTCTGGTCCGGCTGTTC
1081	GTCCCCATTATCGGTGAGTGCAAC
1082	ACAGGCACGTAAGTGCTCAATCGG
1083	AGCAAGATAGCGGGAGTGCCCTA
1084	GGTTTACGCCATGACATCCCGTCA
1085	GTGCAGGCCTTTGTGTGTGAATCG
1086	CTTCGAGGGTAGGGCTTCGAAACG
1087	AGTCGACACTTGGGTTTACCACGG
1088	ACATAAATCTCGCCCGCTGCACTC
1089	GTTTGGTTTTCCACGGAGGTTTGA
1090	GCAGGAACCAGATTAGTGTCCCGG
1091	TTTGCTAGAGCGCGGAGCTAAAGC
1092	CTATGTGGCATCGCTGACATGCTC
1093	CCTAAGTCGGTTTGCAGCTGCTCT
1094	GCGTTCGTCCACAGGAACGGAAGG
1095	TAACCCGCGCCCGAGAAATTGTCT
1096	TATGGTGCTCAGAGCTGTTGCCAA
1097	TCATCGACCCACTAACGTCAGGGC
1098	TGCTCAAGCTACGCGTCACTTCCC
1099	AGCGGGAAGGTCTGAGGAGGGAAA
1100	CCGATGTAGCACCACCGCAGTGGC
1101	AAGTTCTGGGAATCACACGGCGCG
1102	CACCAGCCTTACGTGCGGCGTTAA
1103	CGTTTCGCCTCCTCTTCCGAATGC
1104	GAGGAGGCCAATAGAGCAGCGCGC

1105	AGTAATCTTGCGGCACACAAGCGG
1106	TGAGGACAAACCGCGCTAGGATA
1107	TCGTAGAGACGCAGTGCCCATCTC
1108	CGAAGCTACACCCCGAGTGCGGTG
1109	ATGATGTGATCTTCCCATGGCTGG
1110	TGTACACGTATCGCGTTGCCTAG
1111	GGTGTGCTTTTACGCATGTACGCA
1112	AGGCGGGATACGTGGATGCTAGCC
1113	AAATTAGGCACAGCCCTCCACAG
1114	ATAAGTTTGGTGAGCCATTGCGA
1115	CCTATTTGCGCGGACCTCGATGCC
1116	TTACCGGAATATGCACTTGGCCGC
1117	CCTCTCGGACGGTCCCTTTGATCG
1118	CAAGCGAATGCTGTATTACGGCCT
1119	GCATTTCCCATGCCAGAACGTTGA
1120	GTTTTGGCTAACCGTCCTGCCTTG
1121	AGGTTTTGTCCGGGCGAATGATGT
1122	ATGTCCACGAGTGCGTCCGATATC
1123	AGACGCGTACGAGGGTTCTGCGCC
1124	AATACCGTTCCCATCTGTGCGAGG
1125	ACACAAGGTGCCTCATCGAATGGT
1126	GCCGGCAAATCCTACAAAATCCA
1127	CTTATCCCATGTGCCGGTCTGACT
1128	GCGGCCATAATGCATAGCACGGAA
1129	TACGGTGCATCGCAGTATGGGTAA
1130	CACCAGATGTCGAGGATCATCGCC
1131	GCTCCTACGCCCAAAGAGGTATGG
1132	AGAATATGGGCAGCAGCAGCACTC
1133	CTGCAGTCGCACGCAGTAGACCCG
1134	ATGTCCCTGACCGGAATCTTTCCA
1135	TTCGCCACGAGGCATTAGTCCGAC
1136	ACGTGCTCCCGAGAATACGGTCT
1137	ATCCGCTGGCGCTTTGACGAAGAA
1138	TGAACCAAATTCTTACCGCGTGGA
1139	CACGCGTAGGCTGGTGTGTCATTC
1140	TCGATCCCGCGATCTGGCCTATTG
1141	GGAACACTCAACCACCGTGGATCT
1142	TCACACACCAACTGGCCACAGATG
1143	TGTGCTTAGGACACCAGGCAACCC
1144	GACATTTAACCCGACCGATTGTGC
1145	GGCACCGAGCCAGTAGGCCTCTGA
1146	CTCAAGCGTGCATGTTGGTAACCA

5

10

15

20

25

30

35

40

1147	AGGAAGGCCACCATCCAATATTCG
1148	TTGGAGCCCTGACTGAACCAAATC
1149	TACGAACGCCAAGGTTATGCCAAT
1150	CGCACCAGAGTTATGCAGGCTCAA
1151	CCAGCTTGGACGAGGAAGGATGTG
1152	GTCACGCCTTTCAAATGACCCACA
1153	TGCTAGACCCAGCCCGAGTCTCGG
1154	TATTGTGGCACTTGGGTCCAGTGC
1155	CACGTGTGAGACCGGAAGTGCATC
1156	AACCTCCAGCAAAACGTCGAGGTT
1157	GGCAGCCTGATGCTACAGCACCGT
1158	CGGTCCGTCCATCCTTCAGAGTTA
1159	CTATTGCGGACCCTACGCAGTTT
1160	ACCTGTGCAGTCAGCACGAGTGCG
1161	GAGAACCACAGGTGGTCCACCCTA
1162	CCTCGCTAGAGAAATCCACGGGAT
1163	TAACATCGGTGCAAACCGTGCGC
1164	ACCCAGAAGACATGGCATTGCGCT
1165	AAAAGCGCTGCTCTAACACCGCCG
1166	CAAGTCTGTCCATTTCCCAACGGT
1167	CCGACACATGGTGGGCTTTTAAAG
1168	ACAGACCAGCTTTTTGCGCAGATT
1169	CGGCGATCCATTTCACTTCAAAGT
1170	GACGTTATCATGACACAGGTCGCG
1171	GGCAGAGTTGGATCGGATCCTCAA
1172	TTGCTGGCAAACAGCTCCTGAAGA
1173	CCTCAATGCCACCGAATTCGGTAT
1174	GGAGTTAGCGTGATTAGTCGCCCA
1175	GAACTCGACGTGTCACGGAAGGGT
1176	CACAAGCGACATTTCTGGTGCACG
1177	CCAGAATGCGTGAATTCGCGTCCT
1178	CAAGGGAGCCCTGCGAATTAGAGT
1179	ATTCTTGCTTCGGACGACTAGCCG
1180	TGCCACTTTGATTTCCAGATTGCC
1181	GATGGTCGGCAGATAAGTGGTGGG
1182	G TTCACACGGGTTGACCAACATGT
1183	GATTCAATTGCCCCATTCTGCAT
1184	TACCGGAAACTGAGCCTCGTGCTA
1185	GGATCTTTACTCAGGGGCAGAGCC
1186	CGCGAGTGCTTTGTTCTGTGTGGA
1187	GTCGTCGCGATGGCGTACATCCTT
1188	ACGGGAATCTCCCGAAGTGCGAGC

1189	GGTCGAAATGAGCCAGCAGCAGAT
1190	CCATTGGAATACTGCGTGCGGCTT
1191	GGAAGACTTCGCGAGGGCACAATG
1192	AGGGTGACTTCGAAGGTCCGAACT
1193	TCGTCCCTCTGGTGGTCTGAATCAC
1194	TGTGCAAATTATGCTGGGCGTGAG
1195	GTCGCCAACTGTCATGTGTGCCCA
1196	CCTCGAACCCCTCAAGACGAAACGA
1197	CTTCATCACGTGACCTTTGTTGCC
1198	CCTTCATTCCCAGCAGGATGGCTT
1199	CGGGGACCTCAATGGAGCGTCTTA
1200	CGCCTCTAGCGCTTGTTACGTCGA
1201	CTGCCAGACTCAAAACAGGGACGG
1202	CTCCTTACACCGTGTGAGGGAACC
1203	TTTCATGCCATATCGCCTCGCGCA
1204	TCTGGCTTTTCCTCGATCAATCGT
1205	GTCTGACTGTCTGCCCTGTATGCG
1206	GGTTAATGGAACGGCGTTAACGCG
1207	CTTCGCACTGCGGAATCTCAAGCT
1208	TGCCAGAGGCGTAGGAGTCCTGGA
1209	GACGGGCGAGCCAGTATTA ACTCA
1210	GACCTCCAAAGTCAGTCTTGGCGG
1211	CGTTAGAGCATGACCGAACACGTC
1212	GTGGGCTCAAAAATTGGGTACGCC
1213	GGGGCAGAGATCACGCGTTCCTCT
1214	TTTCGCCCTACGAAGCGAAGTTTC
1215	TACGGGGTGATGTTAAGCTACGCG
1216	CCTGTGAGTCTGAGATCGCCGTGT
1217	ACTGAAGCTGGAACAGGCCATTCTG
1218	AGCACTGGTTCACATGGGAGTCCA
1219	TAAGGAAGATCACACTCCCTGCGC
1220	CACCACACGCTAAAATTGAAGCCG
1221	GCTGTCGCCAGGATCATGTATCGT
1222	TTCGTTTCGTGCACTGGATTCTTGA
1223	TCAGCTCTCCTTGTGCTTGCAGTG
1224	ACGACGAGGTGAACTTCGTGGGAA
1225	AGCATTGCCGCGGGCCTTGTTTA
1226	CAGAGGGCAGATGTGACTCCTCAA
1227	CGATATTTACGCCTCTCAAACGCG
1228	TGCCAGAAATGTTGCCGATTTCGAA
1229	TAGGCCACCCGGTGTTACAATTC
1230	GAGAGTCAGACCGAGGGACACGAG

1231	GAGGCGATCCTGGAACCACGCAAC
1232	CCAGAGAGGCGGGCTACTGACTCA
1233	CACACAGTCCCATCGTACGGCAGT
1234	TTACGTTGCGGAAGCGTGCCTCTA
1235	ATGTACACGCTGCAATCGTGTCCC
1236	ACTCGTCGTGGAAGCGCCCAGGT
1237	ATGCGAGAGCAGAATTGAGCCGGT
1238	AAGTTGGTTCGTATTCACGCGTGC
1239	TGGGCTTATCGCCGAAGATTGCTA
1240	CAACGGCGAAGACCCAGAATTTTA
1241	AGCGTACGGCGAAAGTCTAGGGAC
1242	ATGCATCCAGCGTCCCCTTGATTA
1243	ACCGTCATCAGTCGCAGGCTTCTG
1244	TCTTGACGGCTGGGCATGATTGGA
1245	TTAACATTCGGACCCAGGACCTGG
1246	TGGTGTGCGAACTCCCTTGCGTGTT
1247	TACTCCAGTCGCCTGCGCGCAAAC
1248	CGCAATGCCGTAAGCATGCCAAGC
1249	AGTCCGCGCGAAATACGAACAGTA
1250	ATGTTGCACGCGCACTGTATCACA
1251	GGGATCAGCATCATTGGAAAGGAG
1252	ATCGCCTAACTACCCGCGGCGTGC
1253	TGGCCAGGGAACACAAGCTCGGTA
1254	AAACATGGGTGCGTCTGAGATCA
1255	GCGAGAGCTGCGATTCCCTTTTAG
1256	CCGGCCAAACAAGAGACGAGCGGA
1257	AATGGGGCACAGTCTCGCTTGACA
1258	TGTCTCGGGCCTTCAGGACACACT
1259	TCCACCTTCATTAAGTGGTTCGGC
1260	GCTTCGGAATCATCCACCTGTCAT
1261	GAGCCGATGGGCTATCGTTCGTCGG
1262	CACGAATTACGCACGCACAGAGGA
1263	GCTGTGACGCTCCCCTCAACTAGG
1264	CGCTCTGAAAACGCGGGCTACGTT
1265	GAGTGCTGGACACCGTAGCCAGGA
1266	CCAACCCAGTGTAGGCGCAAATG
1267	GAAGTAGGGGATGTTGGCCGGCGG
1268	CAACGTGGGCACCTGTTTTAGCAG
1269	CTAGCTGCGATCCGAACCTCTACG
1270	CATTGAACCATCAGCCAAGCTGCG
1271	AGACTGGCAATTTTTCGAGGCCAA
1272	CTGGCCGTCCATGAGTTGGTCCAG

5

10

15

20

25

30

35

40

1273	CATGCTGAAACACGGGATTGCCAT
1274	CGATATGTAAGACAGCCGTCGCAA
1275	AGCGTAACCTACTGGGAAGGCACC
1276	GTGCTCGTGGCACGTACAGGCCTT
1277	GTTCGAACCCCGCGATGTTAAATG
1278	GTTGTTAGGAGGCTCGAGGCTGCT
1279	ACTGGTGCTACGCGGGATATTTGA
1280	CTGGGAGCTATCCTCAGCCGAATC
1281	GAACTCGCCGCTGCCGAAGGGTAG
1282	TTCGATCGAGGAGCAAGGAGAGTC
1283	GGGGAAAATTGAGGCCTTAGCCAT
1284	CTAAGGTCAAAGCGCTGTCGCCAG
1285	GTGAGGCTTACCCCGTGCTCTTGG
1286	CCGTAGCGGTGCTCGACCAGGTTC
1287	TGGGGACGAATCCGAATGTAGTGA
1288	GTCATGTAATTGCATCCACGGGT
1289	CTTTGCGCGGTGGTCAATAAAAAG
1290	CACTCGAGATTCAATGGGCATGGT
1291	CTCGGGGATGCCCTCTTGGCATT
1292	CGAAACGTGGTGCAGAAACCTGAA
1293	GGAGTTCACGAGTCGAGCAGTCGC
1294	AGCCGTTTTCAAAGATCTCGACGA
1295	TGGCTGGACATTGTCTGCAATGCA
1296	ATCGGCTGCCTCAGTCCCTAATTT
1297	CCAGCATGGAGTTAAGTGAGCGCG
1298	TTCATATTTACGAATGCCGGGTGC
1299	CGAAATCGCACAGGAATTCGCGTC
1300	GGCAATTTCCGGGACACTCGTTTCA
1301	TTTGTGATTGGGGGTATAACCCGA
1302	CCCAGCTAATCCAGCTTGGGCTGT
1303	AAAATCGTTTGGCTGTAACGTCGC
1304	AGGAGATTCATCGACTTCCGGGAA
1305	GCACGGGGTCTCAATGCTTAGGGT
1306	GCGCAACAAGTAGCCTACCGAGGC
1307	TAGCAGGCTGATGCCGTCTACACA
1308	GCAAGCGGCGATCGTACAACTTGT
1309	GCACCTCTGGTAAGCCTGAAAGGG
1310	CGAGGGCGGTGAGTGCATACCGTG
1311	GGATTAACCGGAACTGCCCTTCTG
1312	GATATTGGGTCCGGCGCGCATTAC
1313	GGCCTTTAATCTCCGGTGCGAATG
1314	AACCTTAGTGCGGCTAGGTGGGGT

1315	CACGCTGACGCCAGTGTGGTGAGG
1316	GGTTCCTTGACCCACCGAATTGA
1317	TTCTGACAACATCGACCCTGGCTC
1318	GCGAGCGAAGATAATCCCCAACT
1319	GTA CTCTGTGCAACGGTCCCGAGT
1320	ACACGCCAGGAACAGTGTCTGTGA
1321	AAGGGAATTTAGCGCGCGTGACTT
1322	TGACGTACGCGTTTTAAGTGGGGA
1323	CTTAGAGGGACGAGGCCATGAATG
1324	GGACGACTCCGCAAAAAAGGTCGT
1325	TCAATCCCAACATCCAAAGCCTCA
1326	GCACTGGTCTACCAAGCTTGTCCT
1327	ACTTGTGCGAAACGAGACCGAGCA
1328	TCAGGAAAGGCCTAAAGGCGAAAG
1329	GGAATGTAGTCAAGGAGGACGGGG
1330	GCACGTGGTAAATGAATTGGCGAG
1331	GATCATCAGGGGTTATGCGTCGCG
1332	CTCACTCATTCTGATTGCCCGCGG
1333	GGGGTGATCTCTCGAACGTCACCC
1334	AAGGTTGCTGCTAGCGTACCTCGA
1335	TATAGATCGCCCAACAGGCAGGAG
1336	GTTTGGACCTGTTGGGAGTGGGCA
1337	ATTGGGGAAAACCGGTCTCAAGG
1338	TCGACGATAAAGTGCTCACGGGAC
1339	CGATAGAATTCAATGCAGGGCGGA
1340	CGGTTGCTACGGCGGCTGGTTTC
1341	CCAGGTTTCGGTTAGTCGCGCTAG
1342	ACGACCTTACACTCGGATCCGACG
1343	TCGCGTTAAATGGACCAAGGGGCC
1344	CCAGAAAGAAAATGGCGCCCGGAT
1345	GATACATCGCCGCTGCTAGGCAC
1346	GAGATCACACTCGGAAACCGGATG
1347	ACTTCGCGGAAAAAGGCTGGCATT
1348	CCGAGCTGCACGAGCACACAAAGT
1349	TTCCACAAGGCGGCATAGTGAGGC
1350	AGCAAACCTGGAATCCGGAAAAACC
1351	CGCTATGTCGCAGCATGCATTTAC
1352	AGTCACGCCCAACGTCGGTTCTTT
1353	AGTGGGCGCACTTGGCCTTAAATA
1354	ACTTGCAACTTCGGCCGTTTGACT
1355	CAAACATCAGGTTTCATGCCGTACG
1356	AGCGTGACCACCCTACAATGGCAA

1357	GCAGGCATCCGGCAGAGATGTCTC
1358	GAGCGGCTAAGAGGCCAGACCAA
1359	CACAGAACAGGGTGTTCCTCGTA
1360	ACTTTGCAGAAGGCCCAACACAAG
1361	CCTTCCTGGTACTTTGTGGGCGAC
1362	CTACATGCTCACCCACCAGAGTG
1363	ATTTTCAGAATAGCCCCGCCTCGA
1364	CAATTGCTACGTTGACGCCCTCTG
1365	CTGTGCGCTAATCCTCGGTGGCCG
1366	TTTGTGTTGGCTCCGTACATTGGA
1367	ACGTGACGGGAAGGTGGTTGAATC
1368	AGTTCTTGCGTTGCACGAAACAGA
1369	GCTCGCCGCGCGTCTTTATGTCTG
1370	ATGAACATCGCGAGGCAAGCCTTT
1371	CAACCGCGCCCAACCAACATTAAGG
1372	TGATCGAGGACGGCTTGGTAGCCT
1373	GGAGGCATGCCTTCCGAGAGCAAC
1374	CACCGATCCTCAACGCAATTGCTA
1375	GGCCATGAATTGGGAAATCCATGT
1376	CTGTTCCAGGCGTAACCAGCGGGC
1377	TATGTCTGGCTCGCCATCAGAAGA
1378	GGAGTGACCAGCACAAGCATCGAG
1379	TCGGACTGGAAGTAACTCGCATGA
1380	GTAGGGTCAAGCACGATTGAAGCC
1381	CACCGGCGGTTCTGACTAACGTGAC
1382	GAATGACGCGCAGTGCATTTGAAC
1383	GTGCTCGTCTAACC GCGGATAGAG
1384	GCGGACCTGGGTTAATTGACGCGC
1385	TTTTTGATGTTGCGCACCGGGCTA
1386	TTGCGTCAGCGCATCTGCTCGATT
1387	ATGAGCACGCCAGTTCGTTCTTTT
1388	TCAACGGTAAAGAATCGCCCCGCA
1389	CGCGATTGACTGAACCACACCTCT
1390	GCGTGAAAGATGACGGCCGGTATA
1391	CATGATTCCACCTCGATCGGCTAG
1392	CTACGACAAAGCAACCGTGCAAAA
1393	ATGCCGTGTTTCATCTTGATGGTCC
1394	TTCGTGGAGGGACTTTGGAGATCC
1395	GAAGCGCCGTAACGTACACCGTCC
1396	AGCGTGCGCTTGGCTATAAGGCTA
1397	ACAGTCAGGAGTAACGCCGCTCAA
1398	TTTAGCCGCTGCGACTGTAGGAAA

1399	ACTGTGTCGCAATCAACCCGCAAA
1400	TGCAGCCAATGCGGAACTTAGAGG
1401	CCCGCTATCCCGGTCTTGCAGTTC
1402	GAGGGCGCAACATATGCAGTGCTG
1403	CGTACGGACATCGATGACGCAACG
1404	AGTCTCCCGAGAAACGCATAAGGC
1405	AGGAAGTGGATGAACGCGGCTGCA
1406	GGGTTGCTCACCTCGTCATCAGG
1407	TAGGAATGCGAGTTCCGGCGGTAA
1408	CTCCTCACTTCCAAGCTGCGGATA
1409	TCAATAGCACCTAGCATGCTCCCG
1410	TGATTCCCTGCGCTTTCACAGGTCG
1411	GTATGTGCGGGATGGAAATCACGC
1412	TACGGCAACTGTGATACGAGGGC
1413	GGTTCCCTATCCAGCACTCCTCGC
1414	ATAAGCGCGCCACAGGTATGTACC
1415	GAAAGTCGCCAACAGACTCGAGCA
1416	CGCTAATGCCTCATAGGCGTGTGC
1417	ATCCCCGCCGCACGAAGTACCAAG
1418	GACGCTGCTGATGGCTTTATCGAT
1419	CTCTCCCCGTCGCTTCAGAGATTA
1420	TCATGTGGGCCGTCGTATCAGTTT
1421	GGCCTGAAGGTGAATGGTTACGTG
1422	AGCCTCCAAAGCCGGTAGAGTTCC
1423	TTGTGCTAGGCGCTCACCTTAGGA
1424	GCCTGAGTCCGGGTCGGGAAAGAA
1425	GGCACTATACCGTTCTGGACGCG
1426	CCGTGTATACGGAAAGGTACGCCA
1427	CCCAAGGCAAGTGTGCATCAGTCC
1428	GGAGTGCATCATGGCCAAATCTGG
1429	CCATGTTACGTCTGCGCACCACAG
1430	GGCGTTGAGCTTAAAAGCAGCGAC
1431	TTGGCACTCTGCAAGATACGTGGG
1432	GATCTGCACTGCAAGGTCTTGGGG
1433	CGATCAACTTGCGGCCATTCCTGC
1434	CGGCTGGGGTCACAGAAACGAGTA
1435	GCGGCTAGTTGTACCTAGCGGCTG
1436	TCGTCACTGTTAGAGAGGCCTCCG
1437	AGTGTGCTGAGCCCTAGCGGCGCT
1438	AGGACGCAGGGATTCAAGTGCAAC
1439	ACCGATGCGCGGTCGGTCTCATAC
1440	GGCAGAGGGTTAGGGGGTTTTTTT

1441	GGCAAAGGGTGTTTATGGGAGACC
1442	ACAAGGCTTCGGCTGGCAGAATAC
1443	CATATCCGTTCTATCGCCAGACG
1444	AAGCCTTTGTGGCCAAGGCCGCGT
1445	CCGAACCATGGCTTTATCCAGTGT
1446	GTTCAGCAGTAGCTCCCTCCTCGA
1447	GCGCAGTGACACCATGATGCTTTC
1448	ACGATCCATTTTGCCAGCATGCAA
1449	TCCCTTCATTTCTGGGTTTTAGCC
1450	TCTTCTTGCCACATTCCCTTTTG
1451	TGCCTTTTGATTGGTGGTCACGGT
1452	GACCCTCACGGTCATCAGAGGGAG
1453	CCGTTCAACACAGTGATACACGCG
1454	CACCAGGGGATAGGTGCGGTACGC
1455	GGTCGGAAGTATCTGTGCGATCC
1456	TGCTCCTTCCTAGGGTCATCCGTG
1457	GTGGACTTTGACGCCGGCTACCGC
1458	CTGATCTGTGCGCGGTTACTTGCC
1459	AGAGGAGCGGAAAAACCGGACGA
1460	GCGACGAAGAGATCCAGCAAGCTC
1461	GGGACTTCCAGCTGAGGGACGAAA
1462	GGCGCACTCCAATACCCACTGTTT
1463	GCGCTTGGAGACTGTCAGGACGTG
1464	CAAACCGCTGGTTTCTCCACCTGT
1465	GCGATTGCTTGGGATCGGTGACTA
1466	CTCAGCGACATTTTCTGGTGGCG
1467	CAGCGGCGTCGTTTACTCAGGACT
1468	GACAGCCGTGAACGCTCAGCCGTT
1469	GGGCCGTAGAGGCATCGGGTAAAG
1470	CGCCGCTCACCTGCTTAAAGCATT
1471	TGCCAAATCGCAACTCTTGAGACA
1472	CCCCGATCGGGTGTAATTCTCCCT
1473	CAAGGTCCAGGTGACGCAACCACT
1474	CGAGCCTTCAGTGGTATGCATGCG
1475	CAGCAGCGTGCCCATCTCGACTTA
1476	CGGACCAAGATGGCAGTAATCCAG
1477	CTACCACGCTCTGCGCGGGCTGTA
1478	ACGTGGTTAGGCATGAGCTGCGTC
1479	CGACATATCCGACATGACCGGATG
1480	GCGCCCAGGCTGTGTTAGAAAATA
1481	AGCTGGGACTCCGGACCTTGAGTG
1482	CGGTCGTAACCGCTGCTACAACTT

5

10

15

20

25

30

35

40

1483	TCGTTCTCTGGAACAATTCAGCA
1484	CGGCATCTCCGGACAAAGGTTAAC
1485	TATCTTGTGAGCGCCACTCGGAG
1486	TGCAAGGGAGAAAGCCCCATGAGC
1487	ACTGCATAGCCCAGATCCGCTTGC
1488	TGTGATTCAGTCGAAGCAAGGCCG
1489	CATCCATCTACAATTCGGGCCAGT
1490	ATGAGCCGTTTCAAGGCAAGGAG
1491	AACTGGAATTGCTAGACCCCGCG
1492	CTGAGCTGCGTGGGACAACTCCGC
1493	CAGCTACTAGGGCGCGATGTACCC
1494	ATAATGATGGGACGAGAAGGCCCC
1495	CGACCGAGTGTTACGACATGGTGC
1496	TGCAGTACCCGCCGCTCCACTAGT
1497	ATGCTAGCGCGCCTGTCAACGTAC
1498	AGACTCACTGCCGGCTGATCAAAT
1499	GCCTGGTGCGAAGATAGGGATTCC
1500	GGAAAGTTGGCGGATCCGAGCACT
1501	GGCAGTGAGCAATGTGTGACGAGG
1502	TGAGGTCCTCCCGGCGGACTACGA
1503	CTCGCCTTAGATCGTGGTTCCGCA
1504	GTCGAGGAATATCATCGCAGCCAG
1505	GCGAATGCAACGAGACAAGAAGGA
1506	TTCGCCACCAAGTCGGCATTGT
1507	CGGTGGCTGACACTTGCCGGATTC
1508	CAAGGAGCAATCAGATGGTCGGAG
1509	GTGACCCGGTCCGTTCTAGCTGTG
1510	CTCTCGCCACATAACTGCACAAA
1511	AAACCTGCCTAAGCAAGCACTGGA
1512	TTCCATATTGTACCCCGCGCATGC
1513	TGCTTGCGATATCACGATACTGCG
1514	TTAGTGTTTCGAGCCTTGAGCCGGC
1515	CTTGTTGCGCGAGTCCGTCTGGGA
1516	GTCAGCTGCCTGCTGGTGCTCTTC
1517	CATCCCTCGAGGTGTAGGCAACAC
1518	CAGATGCACTCCGACGGGATTGAG
1519	CTGAGCCTCGCGAAGCTGTGGCAT
1520	GCTATGCCACGCCGAGATAGAGC
1521	AACACCAACCATACCGTCCGTTCA
1522	GCCCAGAGCTAAAGCATGTCTGGG
1523	AATGCTGCAATGCTAGCGTCGCTA
1524	TCCGGACGCAGTATCCAATCCGGA

1525	TAAGACCATGTGGCACCAAGGTGC
1526	ACAGCCACACACACGCGCCCACTA
1527	TAGAACCGAGCACGGCGCCTTGTA
1528	TTCGAGTAAGCTGGCAGGACCACT
1529	CTTTCGCAGGTTTCGCAGACAATCC
1530	TACGTCCTGTGCTGTTGACACCGG
1531	GTTTCGGGTCAATGTTTCGGGGAGA
1532	CCCTGTTGTGAAGGGGTTTTGTGA
1533	GGCAGATTGGTGAACCCCAGATAA
1534	CCCTCGGTGTGTTCAAGCCAAATC
1535	CCCGCGAACATTTGAACAGCTTAA
1536	CCGTGTCAGTTGCTCCCTGGCACG
1537	TCCGTCTCAGCCGCCTCCCTATCC
1538	ATAGCTGGGTCACCACAGGCGGTC
1539	ATAGGCAAGCGGTGTAGCACAGCG
1540	TTAGAAGCCGGTCTGGATTTGCGT
1541	TGCCGACCTTTACCAGGATCCTCG
1542	GCCACACTATAACCAAGCTGGCA
1543	TTGCGCCACTAGTACGGATCTCAA
1544	CTTGCAGTTTATGCTGACCCGTCC
1545	TGCCTCCAAATTACTTACCGCCGT
1546	CCCGTATGCGGAAGCTATGGGCTA
1547	TCGTTCAACCCACACTTCAGTTG
1548	CAATGTGGGGGACATTTCAAGTT
1549	TAGCGTCGCACAAATGGCTGACCG
1550	GGTGGCTTCGTGACAATATCGGCC
1551	CAGCGGCGTCCGAAATTGGCTCTC
1552	GGCTTGCTCTCGTTTTTGATTGCA
1553	ATGCGAGGAGGACACGACCGTTCC
1554	CCTGTTCACTACGACCCACGGGAA
1555	GTGCCACGGAGTGCGACTGTTGCT
1556	ACACATCCAAGTCTGACGATGGCC
1557	CAGCCCGAAAGGAAAGCCTCCGTG
1558	AACTGAATGTAGGTGGGCCCCTGT
1559	ATTTTCGACGATAAGCTGGCCGGT
1560	TGAGGGAGAACCCGAAATCTGCTT
1561	GGCGACTACATCCCCAATTGCTTG
1562	GCAGACGCGGCCTTCCATACTTTT
1563	ACAACCACATGACGTGTAGCTGCA
1564	CTGCTGGGCGCGCAAAGCTTGTTG
1565	AAGCCTTCTTTGGCTTGCTCCGCT
1566	TACCTGCTGCCTGGAGCAAGGCAT

1567	GACGCCGCAGCCATGAGTGAGTGT
1568	AGTTGGCCGCTTATTTTGCTCACC
1569	AGGCGCACGGAGAACATTTGCCAA
1570	CCAGGCGCCTTCGACAGATCCTCA
1571	GTGTCCCCTCCAGCTAGCCAGTTT
1572	GACAACAAGCCAAGGTGACACGTC
1573	CTACACCGCTCGTGA CTGCGCAAA
1574	TGGTGCCATCAAAGCACGTTGTAC
1575	ACAATGCGTGTTGCGAAACGCATA
1576	TTGTCCAGCCATTGTATTTTGCGC
1577	ACGAGAGATAGCGGACTCCTCCGA
1578	AGCTTTGTCGTCAGGCGAGCTCTT
1579	GACAGTCGGCGTG CAGTTTGTGT
1580	AGCTAGCGACGGCCAACTCACGTA
1581	CTCCTGTTG GGGCCGTTACTGGT
1582	ACTGACCGACG CAGTGCCACATAG
1583	AGGTAGGGTCTG GTTTGA CTGCA
1584	CCTCCATTTTAG CGCGTTGCCAAT
1585	TTCTTAGGATCC GCGCACTCTTGG
1586	GTCGAAGGTGTCTACCGTGCGCAG
1587	GTCAC TCGGCGGCCAATCACTCG
1588	TCTCGGTCA CCGTCTTGACCCTT
1589	GCCCTCGACGA ACTCATCCTGAAC
1590	TCCGGCGTACTCTGACACGGCGAT
1591	AGCCAAATGCTTT CGTG GTTCGGA
1592	ACTCCACGCCGCATGTTGCTGTGA
1593	GCTTCGAGTCGGTGGCATCTGTAT
1594	GGTCTTGGGCCATCGACTTGCTGC
1595	GGTATCGGACTGCACTAAGGGCAA
1596	AGCCCATGCGTTCCGGATGATTTG
1597	GCCAGGGTTAAAAGTGATGGGCTC
1598	GACGACGTGCTGGCTACGAAGGGG
1599	TCCTATTGACCGTG CATCGTGATC
1600	ACCCGCCTCGACTCCACA ACTAAA
1601	GATGTGGATCACGACCTGCCAGTA
1602	GTGCCATTGCCACCCATAATGCGT
1603	TTAGCCTGTGCACCCAGTCAGGAG
1604	TCCGATGGGAGAGGCTGATCTCAC
1605	CACTACTGAAGTGGCCTGGCGCTG
1606	TGCGGCCATAGCGATGTGATAGAT
1607	GATTGCGCTTAACGGAGATGCACG
1608	TCACGTTTGACAACGCCAAGCATT

1609	GCATTGTTTGCTAAAGGCGGCATT
1610	AGTCGCTCTACGCGTGCAACGCTG
1611	TAGCTCCATGGAGGTCCGAAAGGG
1612	GACCGGTTGGACCTCACTGGCTTC
1613	AAGCCGGACAGTCAATGTGCGTAT
1614	TGCCTCGCTGAGTTCTTCACCGTG
1615	TCGTAGACCTTGCTTTTGGGCTCA
1616	ACCGCTATGCGCCCTACAAAGCAT
1617	TAGCGTCACCGTAGCTTGGGGCAG
1618	CTCTCAGCAACTGATGGCACCGGA
1619	AAAGGAAATGTGGTGCTGGTCGGC
1620	CCGGCTTAGATGGAGAACAAGTGC
1621	AAGTAAATCGCCTCGCCCAAACCG
1622	TGGGCTGTTACGCCTACCGGACGT
1623	GTTTCGGTTCAGCCATGGGCCTAC
1624	GGCCAACATTTCTAGGGGAGTGCC
1625	TTCTTCGTTGGGATTGTCCTCACC
1626	TGCACATTGGGGTACGGATCTGAC
1627	GGCAGTTAGACGGCAAACCTGCAGG
1628	CGCGTCAGGCTATGAATGGCTCTT
1629	GCTGAATGCAAACCTCGGAGCCAT
1630	CGCTCTGGCGGATTCATTGTTTTC
1631	TTTTCAATCAACCCTCCGGACGTA
1632	GTGGTGGAGTCTGAAGCACGACAG
1633	AAACAGGTCCGGATGATGTCTGGA
1634	GTACCGCGTGTACGCCACCGTTAG
1635	TCCAACCTACATTTGCGGAAGGAA
1636	GACGTACCGTCGTCCCGTGAGTTG
1637	GGCAATCCTACAACCGACGCTGAT
1638	GGCGGCTGCAGGGTCTACATCGAG
1639	ATACTACGCTGCAGCTGCGCGGGC
1640	GGATCGCAATCCCTCCGATGACGA
1641	TGGCCTTGACGCGGAGCCGAATCT
1642	AGGTGCCGACGAAACGACGAATAT
1643	GCTGTTTCACCGTCGTCGTTGTTG
1644	CGGTCCCAATGTTACAACCCAGAC
1645	GCAATTCCAGCCACTTTTGACCAA
1646	ACGGGCGAAAGCTCGGTACGGATA
1647	CGACCCGACTTTTGCTTTGAGTG
1648	AATTCAGTGTTTGCATGCGTCG
1649	CCTGTATGAGGTTCTGGGTCGGCT
1650	TGGCATACTTGGTGCAAACGCCGT

1651	TCGCCAGTACAGAAACATGCGGGC
1652	CCCGCTGTTGCTCTCATCGTGGAG
1653	GCCACAATCTGACCCTGGGAATCA
1654	GCTCAGTCTCGGAAGTTTCGGCTA
1655	CTTCACGGGCCAACGACGGTCGAG
1656	CGACAGTTCCGTCCGTCTTGAGGA
1657	ACGGAGACGCAGTCGAAACGTCCC
1658	CATGCATCCGATTAAGGGGATCAC
1659	ATTGCGGGAGTCCCTAGCTTTCTG
1660	GTGTGGAAGATGCAATTGGAACGG
1661	ATACAACGGTAGGTGACAGGGGCG
1662	GCCGTGGGAGTAAGGGTACAAAGG
1663	GCACGTAGGTCTGGCTACTACTCGG
1664	ACTGTGATCTCTTGGGCAAAGGGC
1665	CATGCCTGAACAATCTCGCATCCC
1666	GAGCCTGGCTCCACAGCTGTGCTC
1667	CTTTCGATACCATCGTTGGCGATC
1668	CCCGGAGGTGAGGCATTGAATATG
1669	CTCATTCAGCTAAAAGCGGCTGGA
1670	GAAATGCCCTGGGGACTTTTTGCC
1671	TTTGCCCTCACAACAGACGCAGCA
1672	AAATCCCAAGACGTCGGGGCGTAT
1673	CAACGGGCGGTAGCTAAACCGTAA
1674	GGCCAACGACAATGCGAAACCTTC
1675	GACATCACGCAAAATCTCAGCGCA
1676	ACGTTCCGTCCACAACCGTATGTT
1677	GCTCATAGGTCTTCCGTAGCCCGT
1678	GAAACGAGTCTCTCGCGCCCTAGA
1679	CGGGACAGAAGCAAGTTACATCGG
1680	TGACCGCTCGATACCAGGAGGGTG
1681	CTGGCAATAAAGACCTTCCGACCA
1682	TGCGCGACGTCATGTTGGTGATTA
1683	GTTGGTTGTGGGAACACACCCGCT
1684	TGTGGGTTTCGGAACACAGGAAGT
1685	GGAAAAACGGCAATTAGCCGAGT
1686	TGGTGCGGAGTGCCCTCTATTGGG
1687	AACCAACAGGCTGCAGCCCAGACT
1688	AAACAGATCCATCTGCACGCCAGG
1689	GGAATACGCGGCGATTATGGCTT
1690	TACTGTTTCGGGCAAACCGTCACT
1691	GATCTCTCGTGGAGCACGTTTTCC
1692	GGCATAGCAAACCTTGACCTCCAA

1693	ATCTGGGATTTCGCGAGCCAATATC
1694	CGATCAGGATATCATTTACGCCCCG
1695	ACGGTACCGAAACGGTCTCAGCGT
1696	CTCCCATACCTGCGTTCTTACCGA
1697	GCACGAGAACCTAATTGTGCGACA
1698	GCCACACGATCAAGACAGCGCATG
1699	CCCGTTAACTCACGAGCGGTCAAT
1700	AGAGAAGGTCATTGCCTGTGCGTG
1701	CGGGCCCTCTTAAAGTAGAGCAGG
1702	ACATCGCGTCCGAGGGAGTTAGCG
1703	AATGCCTAATCGAGCCAGCGGATC
1704	CTCGATCTTTTTAAACCGGCGCTT
1705	CGTTCCTGGAAGGCAGGGTCTCAC
1706	CCTGTGCTTACTATCGGCGATCCA
1707	GTTAGTCGCCCTATTGGCCTGGTT
1708	CCGGTGAGATGACTGTAAATGCCA
1709	CGTGGTTTAAAACATCGCGCTTCG
1710	TAAGACGCAGAAGATGGGGTCCAC
1711	CACCACAGCTTCTTTGTTGACCC
1712	TCGGGTCCGTACCACCACTTTTGC
1713	CCAAGCCCCGAGTACCGAAGATTT
1714	TCCGTGATATGGTCGTGGCGCGGT
1715	TGTCTGTGTCATGGCACCTCGCAT
1716	AGGACTGCACTGTGCACGTCTGAT
1717	CCATCCTCATGTACAGCGCCGCTG
1718	GTACCCGCGCCTTCCTCGACACAG
1719	ACGGGTCCTGGTCGACTAAGGCTT
1720	CGTATCGAAGGCGTGTACAACCGG
1721	TGCCCCGCCCTTTATGCAACGCTCA
1722	AAACTTACGAGACGGCGGCTGCCA
1723	AAGTCTGACAAACGGAACGGGTGT
1724	TAAGCGCAGACCAAAGTATGCGGC
1725	GCAGTTTTTTCAGATCCTCCGCAAA
1726	TCGGAAGCATTTACGCGATCTCAG
1727	CACAGAAACGGTTGAACGAACGCC
1728	GCATGCTCAGATGGTCGTGCTCAC
1729	AAGGATTCTCGCTTCCGGCATGAT
1730	GGTGGGGTAGCGCTGGTATGAAAA
1731	ATTATTACGGGACCGAACCAACGG
1732	GCGCGAGTGTGATGATGTTACGCT
1733	GACATTCGTGACTTGGTCGTCCGC
1734	TCATTAGTGACAGGCACCGATCAAG

1735	GAGTTGTGCGGAGTCATCGGAGTC
1736	GCCTTTACAGATTTGGCGGGCTAT
1737	ATGGCGTTTGCGAAGTCGATACAG
1738	TGCATCGGCCTCAATCAGAGAACT
1739	ACAATCATGGCAATCTGGCAAATG
1740	GACGTGGAAGAGTGCAGATCAGCA
1741	AGGGCAGGGGACGGACAGTAAGTC
1742	GCATAGGGCGAATCTAGTACGGGC
1743	TCCGGCGCATCCTCATTAGCAACT
1744	TGGCCGCTTCCACTAATATTGGAC
1745	CCGGCGGACGGCTCTTGTCATGA
1746	CGAGCAACCCAAAAGGAAGCAGTA
1747	GCGTATGATTCGGCAATCCGCCAG
1748	AGTACCGCTACAACGCTGGTTCGC
1749	GGGCAGGCCAGGTCCACCTGAGAA
1750	CCACTTCTGTGACCGAACCGTGCT
1751	CCTGGTACCAGGCAGCAGTTGATT
1752	TTAGGGTACCGTCGAGAGACGCCA
1753	GGTTGCTTGTGCGCGTGAGGTAGT
1754	TGCTTCGACCGATGAAACTCGAAG
1755	TGCCACCCATACTATGCCAGTGG
1756	TGTGCGGCAACGCGTGAAGACGTT
1757	TGAGAGAAGCTGGCCTCGGATCAG
1758	TATTGCGAATTCGAGTACGTGCCC
1759	CGAGAGGGGTTCCCCAGTGATCGA
1760	TGCCTGGGGTGTCGTTCTAATTCT
1761	GTGCGTCATTGTGGGTCATCCCAA
1762	AGGGCTCCCAGCATACCAACGTTG
1763	AACTAGCCGCACCTTTGTGCAGAG
1764	TTAGCCCAGCCCTTCAATGGGAAC
1765	CGGCCTCGGTTGTACGGGTAGTCT
1766	TCTTTGAGGCGCGGACCCGCATAT
1767	GATGGTTCGCCCTTGTGTCGCAGC
1768	GAGATTCAATACAGGCCGCGGGTC
1769	AGGGCGAAGGAAGGTTCCGTTTTT
1770	CTCGACCCCTGCCACTACTGGTTC
1771	TGTTCCGCGGTCTACGCATTACTG
1772	GAGACGACGTCCTACACCCGCTAA
1773	AGATTGCGACAGCGACACGTGATT
1774	GATACCGTTGGGCATTTCTCGGTA
1775	GATTGGGAGGCATTACGCGACGGA
1776	AGGAGGAAACGAGGGCGTAGGTTT

1777	GCCAAACAACGTCTGACGCCTAGC
1778	TTTAATGCGGAAAGGATGCACGCG
1779	TTATCGGCCGTTAAAATGGGATGG
1780	CCTTGGATTTCGTTTCATCGCTAGCA
1781	AAGTGAACGTGCAGTGGTCTTCGA
1782	TCCTTACCCCTCGTTCAAACGCCT
1783	ATTCCTGAACCATGCATGGCCTGT
1784	AGCGAGACGCTCGATCACGAATA
1785	GCTGGTCTGGCTCGCTGTTTAGAA
1786	CGTGCGCGGCATAAAGATAGGTCT
1787	TCTGGCACTCACATCGGACAGTCT
1788	ACCATTGGAGGACCACAGAGCTCC
1789	TCCAGGGTCGGAGTACATGGCGGG
1790	ATATGCCGTCGGATCGTACACGCA
1791	TGCTGGCGTCAACACTTCCCGATT
1792	CAGGGCGGTGCGGTGAACTAGCCA
1793	CATGGACTGCCGTACATCAGCTGG
1794	CCGGCCATACGCTGGCAAGATTAC
1795	AGCGGACACCTGTACTCTCCTCCA
1796	GGAGCCACACCAGTCGAAGATGGT
1797	CGCCACCGGAAATTGAAAAGACTG
1798	TGAAACGGATGTTGCTTCTTGACG
1799	TTGAAGCGGTGAAGAGCCTGTCCT
1800	CGAACCAAGCTGCATTGTCACTGG
1801	GAGTCTGCGCTTGCAATCTTTGCG
1802	GCTGGGTATAGTTGCCTGGCAATG
1803	GCAGGCGTTCCATATTCGCAACCC
1804	GCGCCAACTAATACCTCCACCGCG
1805	TGGCGTTCAGTGCAACGCTGGTTA
1806	CAAACTGACGGGTATGGGAGCGC
1807	AGGTGTCGCTGGAACCCGACTTGT
1808	CTTCCAAAAGCGCAATTGGCTTTG
1809	TCGGGCTTCTCGCAATTCTGTCAG
1810	GCCAAAAGAATGCGCTGGGTAGGT
1811	TGGTGCCCGCACCGAGAGACTGTA
1812	CGAGGCCGTAGTGGGGACTGCTCT
1813	CGATCTGCGCATAGAGGGGACTTT
1814	TGTGCAATCGGCCTTCTCAGAGCC
1815	GATCACCTGGACCGCTACCGTTTT
1816	ATGGGGAGTTAAGGACCCTGCACC
1817	CATTGTGGACAGCCAATGGTGGCT
1818	CCATCACCATGCCACGGTAAGATC

1819	GCACCCGTGTCGTTGGTTAGCAAG
1820	GGAGTGGGTTCCGCGAATTCACTG
1821	GGGGATTTCTTTTCGCAGGCTCGA
1822	CATTGATCATGTGCACTTGACCA
1823	AGCAGCGCTGCGCTTGTTCGGAT
1824	CGAGTAACGCGGTTGCTTTCGAA
1825	TGGCCTGGAACATAGGTGGAATC
1826	CGCACACCAAGCGTTTATTGAGAA
1827	TCACCTTCACAGTGGGCATACAGC
1828	CAAATATCCCTGAGCCCTCGAGCT
1829	GGGAGCTGGTGAGCAGATGTAACG
1830	AGGATTGCTTTTTCGTTATGCGGA
1831	ATCGTTTGGGCGCTACGCAATTGT
1832	CCGATTTGTCCCAAATGCAACGTT
1833	AAGGGTCAAGCTCATGGAGCGGAA
1834	TCTGACGTCGTTCAAGGGCTCGCT
1835	CGCACCACTCCGAGGTATTTGTCT
1836	AAGGGGTGAAAAAGGAGAAGCCGA
1837	AAACCACGCAAATGGCGATACCAT
1838	CAGAAGGGATGACGCCTTAAGTCG
1839	CATGACGAGAGCGGACCTGAAGTG
1840	CTGGACATGTTTGTTCGCCACTG
1841	AAGACCGACTCTCGTCGTTTGCAC
1842	GCGCGATTACATACCGTTTCCGTA
1843	CACTGACCGGACCCAACCTAACAT
1844	AGTGCAAGTCTAGACACGCCGAG
1845	GGTTGGTGCGAGATCCTGGACTGT
1846	GGTCGTCCCGAAACGTAAACGAGG
1847	GACTAGTACGATCACGGGGCGGGT
1848	CCGACCTGACCCTGTGTACAGGTT
1849	TGCTCACTGCCCACACTGTTATGG
1850	CGAGGAAACACATTTCTTCGGGCC
1851	TGGCACCGGGTGATTCTTGTCTA
1852	GAGGCACGGTGATAGTGGTTGTGC
1853	ATGCAGATGGATCTTTTTTCGACGC
1854	TGCGATAGCCAAAGAGTCGAGGAC
1855	ATGGCGTGTGAGCGAACTGCCTGG
1856	CAATGCAGCTCGGAAGTCAGGTCG
1857	AGGATCAGTGACATGTCCCTCA
1858	CACATCTTGGCTGTCACCCGAGAA
1859	CGCATTATCACCTCAATGCCAGTG
1860	ACATCCGCAGACTCCCTATAGCCC

1861	GTGAACCCGAACGAGGGGAGTCTC
1862	GCGTAGGGAATTTGCCTCACGACT
1863	TTTACGCGTCGCTCGGTTGTAGTG
1864	GAGAGGCGTCTAGGCGGTTCTAGC
1865	GCATGCTGATAACGAATGCTTCCC
1866	CTGAAGCTCGTGTGCGATGAGGGA
1867	ACAACGGCATGAGGAGGCTTTTTTC
1868	TTTGGAGACGCCAGTACGCGTGGT
1869	GCTATCATTTGGTGTAAGCCCGCC
1870	TCAACATCCAGGGCGGTGCTTGGT
1871	TTCGATGTAATCCCCAAAGATGCC
1872	GGACCTTCGGCAGGTTATCGCCGT
1873	AGTAAGAAGAGGCAGGCCCCACCT
1874	AACGGCTCCCCGTCGTAAGCTTA
1875	CCTATACCGTCGTGGTTCCACGTT
1876	CCGCGCAGGCGCTAATACTCAAGG
1877	AAATGGGCCAGTGAAATCCTTGGT
1878	ACGGTTTCGAATACTGCTGGGCAG
1879	CCGCTTGAGGTTGAGGTCAGAGCT
1880	ATCGTGCCCGAAGACACTTAAACG
1881	ACCTGAACCAGGGCGATTGCTTTA
1882	ACCTATACGCTGGGCTAAGCGGG
1883	TGTTTCGCGACTAGAAGCCTTTGC
1884	GAAGTTGGCGGCTCACCCGTATTA
1885	TGGCTACACCGCTTAGGAGGAACC
1886	CCACAGTTGCGTGACTTACATCGC
1887	ACTGCCACTGCGTCTGAAGAGTGG
1888	GCGCCAGCAAATTTCTGTGGTGT
1889	TGCCTCCGTCGAGCCGAATAGCCA
1890	GTACAAACGGGCGCTATTTCTGTC
1891	GCTTCCCTGGCTCTGAACGGAAC
1892	CGGCTACCCAGGCAGATAAGCTGA
1893	GGTTGGACCCGACAGGGAATTTCC
1894	GGGGAATACCCGGCGTTTGTAATA
1895	TGGTTCCGTGAGGTTATGTTCCGT
1896	TCGGTAGGGTTCAGTCGCTGAGGA
1897	TTCCGAGTGTGCCGGTGCTAGTAC
1898	TCGTAAGGAATGATGGCCGGGCC
1899	TCCGTCGACCGTCCAGCGAAGTTT
1900	AGGGAATATAACAACACCGCGCAC
1901	ATGTCCCGGAAACCAGCTACCTCA
1902	ACCAGCGACTTAGATAGCCGTCCG

1903	GGAAAACCTCCTTTGCGTCAACCA
1904	ACGTGCGTGCATACCCAAGAGGAC
1905	ACGCCACTTTCCTAGAACCAACG
1906	CGAAGTACGCAATAGTGCCACCCT
1907	GATCCCGGCGGATCACCTATCAAT
1908	AGAAAGCGACCGTTTCAGGCTAGC
1909	CGCTCCCTTTCATAGTCCTCTCCG
1910	GTGGGTGGTCATAACGACAGCAGA
1911	CTGGAGGCTGCATCGTTGTAACA
1912	CACCATGAGTTTCGGAGCGAGGAT
1913	CAAGCTGCGTTCGATGAGAGATTG
1914	CCTGGGAGCAATGACCGCTCTGGT
1915	TCCGGCGCTCTACCAAGATGAGAC
1916	CGACCGCGTCGCGTATACTATCCG
1917	AACATTCGCTAGTGGGGTCCAACA
1918	TGTATGATCATCCGACCGAGCAGC
1919	AGTGCGCCGAGAGGGTGAATAGAC
1920	AGGCTTGTTCTGGACCAGCACCAT
1921	GGGGCCACATAAAGAATTCCGAAC
1922	TGGTGAAGATAAATCCGCATGGCA
1923	ATTTCCACCACGCTCTTGCCAAAT
1924	CGCGTAAAGCTGTCACCGATGACC
1925	TCCCCAACCGGTAACAACAGCGAC
1926	CCTCTGCTCGCCTTACACCCATGG
1927	CAAGCTGCTCCTGTGCTGAAGGGC
1928	AAACGAACGATGGTCGGTAGACCG
1929	TCAGTTCGATGGCTATTGCGCCTC
1930	GGCTCTCAACGGACGCAAATCATA
1931	AGTAGAGTGTTGCGGCTGCCGATC
1932	AGACACTAGACCGCCGTGACCTGA
1933	ACCGAGCACCGAATTCCTTGTCC
1934	CCGTGGCCAAGATACGAACGAATT
1935	CCTCCTACAGCATCCACATGAGGG
1936	CACTCGGCAAATACGTATGCGCAT
1937	ACCGAGTTGAAGCACGAATTTGGG
1938	GACCACCTCGGAAGATCGTTCTGC
1939	TCAACTGGGCAAACGAAGAGCACA
1940	GCTTAGCCTCACACGTGCATACCA
1941	CTGCGGTCTCCAAGTACCATTTTCG
1942	GTTCCGTATTACGGCGGCCATAAG
1943	ATCGACGCAACCGGATAGTCTCTG
1944	CGCAGATAAACCGGCATCTTTCAG

1945	ACCTGCCAATACGGGTCTACGGTT
1946	ACACCTGTTGCCATGCTGATCCGT
1947	AAACTGTCTACTGCGCAATTCCGC
1948	GCAACTAGCCCGTGCTAGGATCGT
1949	TCGTAGTGGTGGATTGTTGTGCGT
1950	GGCTTACTCCTCAATTGCGACACG
1951	CACGACTCCCTGCCAGATTTGATT
1952	CTTAGACGTCGGCAATGTCACGTC
1953	CTCAGAGCACAATCTGCCCTGCCT
1954	GCTAGGAAAGTCGGCATTTCATGGG
1955	AAAGCCCCAAAATTCCGCCTAACC
1956	GCGCAACGCTAAGGGACTATCAAG
1957	CGTCCGCTGGGATGAGTCTCCTGC
1958	ACAGGCCTCGTGATTGGTGTGGGT
1959	CATTCTCCTTCCGGGACCACGCCT
1960	TCGGAGTTGACCAAGCTCAGTGCG
1961	ACGCGCCACTGCAATTGCAAACAC
1962	AGTTCATGGAGCCGGCGTATTGTT
1963	ACGTTTAATGCGGGGCCCGCCTAC
1964	TGAGGCTTTAGCCTACGCGCAGGT
1965	CAGCGTTATGAGCGCGGAGTTTAT
1966	GTCCACGTGACCACGGATAGTTGG
1967	GATTATGCTCCTACGCCTGCTCCG
1968	TCGTCAAGGGCATGATGTGTGGGA
1969	GATGGACCGCCAAAGACACCTTGA
1970	TACACGAGGATGGGGTCAAGCTTT
1971	ACACGCACAAAACGTTTGAAAGGC
1972	GTTATCGTGGGCCGATGGTACTGA
1973	ACATGACCGTATCCGCCTGCTTCG
1974	GAAGGCGAACCACTGAAACTACGC
1975	TGACTTTTGCAACGGGTGGAACCA
1976	TGAATTCGTAGGTTTTGGGTGCGG
1977	AGCATTTATGAAGCGGCCATTGCG
1978	TGCTCCTCGCGTTGGTACCGTGAG
1979	CGCAGCAAGAAACAGCAACTGTTG
1980	AGACGCTTGGAGTGAAAACCTCGGA
1981	CATTTCGTAGAATGCCCCAAATGGA
1982	CCAGAAGGTTCTGGGACCCGTCGTG
1983	GAGAAGCCGGTTCTCAGAGCACAT
1984	TTGCGTTGCAAGATATCTGGCCCCG
1985	GGGTTGCATGTTTCAGGCAAGACGA
1986	CTCACGAAGGTGACATATCACGCC

1987	GCCCGAGATACGGGTTCAAAAAGA
1988	CATCTTCGCGCTTCTTCACTCCGC
1989	TTACACGGTAAGCGTACGGCCGCC
1990	ACCTTCGGACAATGTGGCGTTCGC
1991	TGAATGGTTCTGCTAGGCCACAC
1992	CACGCCTGTCTGACATATGGATGC
1993	CGCCTCAACCCAATCTGAGAACGT
1994	TTACGCTTACTGCGAGCTGGGTCC
1995	GGCTTGTGGGGCAATACGCATCTT
1996	CACTCTCCTTTGGATGCGGAACAA
1997	CTTCGAAGCACTTCAGACTTGGGC
1998	GACCAGCCATCACGTAACGGCCCT
1999	AGGAACCGGATGTGGTTATGGAGC
2000	ATCCATGGGCAACTGAGCCTATGC
2001	GGAACAGCACTTGTTACCGCCAC
2002	TGGCTCGCTTCAAGCCTGTTTGCT
2003	CAAACGTGAGGTCATGACCACCAT
2004	ACCGATGTCTTGAAGTCCGAGGT
2005	CGAAAATGCATGATGATCTCCCCT
2006	TTTGGTATTCTCGCTGCACCGTTG
2007	GCGTACTCAACCACATTCCCGACC
2008	AGCAAACAACAGCGGTCCGAGCAT
2009	GGACTAGGAGCGGGGATAGCTGAG
2010	CCTTAACGAAAACCTGTCGACCGC
2011	CTCGATCGCATAAGCAAGAAACCG
2012	CCCGTTGTTTGGGCGACAAAAAGT
2013	CGGCGGCTCTCGCATGATCTCGTT
2014	CGGATGGAGAGGAGTCTACGTCCC
2015	ACCAAATCAGACTAGCGACTGCGG
2016	CAGAACAATATCGTGCGTCAACCG
2017	CCTTTGCGCGCTCCGAGTAAGGTA
2018	GGAAACGGCACCTATCTGTCTGTA
2019	CGACCGACAAAACCAAATGCCGCC
2020	CCAAGGGTGTGGGAGCTGAAGAGA
2021	TTAAGTGCGCATAGTCCTCGTGGG
2022	GCCTGGTGGGGTAAGTCATGATGC
2023	GAGCAGCAGATTGATGCGCTTATG
2024	TGCGCCAACTTCCGGAATATTTGC
2025	AACCCCATCATGAAATGCTCTCCG
2026	GTCCAACGGTACTGGCGTGATGTT
2027	ACTCGGCTGATCGTGAGATGGTGA
2028	ATTCGTGGGCGCATCTCGGAATGT

2029	TCCCGTCCTGTAATCCAGGGAACA
2030	CTTCGCTGCACCTACATTGCGCCA
2031	GCGTGTAGATGACTGTGCTTTGGG
2032	CTATGGTATCGAGACATCGGCGGA
2033	CCTCGTACTCCGTCGTATGCACAA
2034	TGGTGCGTCCGTAGTGCCTGCACT
2035	CGCGATCCTAGTTGAAAGCTTTGC
2036	ACGATCCAGGTGTTGGGCACTAAG
2037	CCAATCTAGGATACACCACGCCCG
2038	GATACGTGGGGTATAGGCGGGCCC
2039	CATGGAACAAACCGTCGTAGGGGA
2040	ACACTCGCGCAGTATTCGAGTCGT
2041	CTCAGTCTCGAAGGTGATCCGACC
2042	TCCCAATCCCCGTGGTATCGTCGT
2043	AATCAACGTAGTTCCGGTGGTCCG
2044	CTTAACAACCCAGGGGTTTGGGCT
2045	CCATCCTGAGAGTGACGGAGGTGC
2046	CTACCGCTGCATGGCGTTAGATTG
2047	TTATTGGTGGCGGACGGAGTGAGT
2048	TTAAGGGTGAACCTCAACCGCGTGA
2049	TTTGATTGAAACGCTGCGCACTAC
2050	TCATGTGTAGGTCGCGGCCGTCAC
2051	CTCCGAACCTTCTGGGCCTCTTTT
2052	CTGTTGCCCATTTGGCCCGACACTC
2053	CACGATCGCTGAGCAACACATCAC
2054	CGGATCATAAGCGTCCGCCTTCGT
2055	AGGTTAACGCAACATGTGATCCGC
2056	GGGAAAAACAGCTAAGCCTTGCGA
2057	ACTTATTGCCGGGATCCGTACACA
2058	TGCGGTCTGAAAGGAAGGGAGGG
2059	GCTGCCACCTGGACATCGCATACA
2060	GCAGGCATGACAGTGGCGTAGTAC
2061	GCGGCCCTGATGGTTTGGCTGAGC
2062	TCCCCATTTAGTCCCCTCCATCAC
2063	GCAACACAAATGCGAGCGTAGGAG
2064	GGCGTTTGTATTGAGCCACGTAG
2065	GGTAACGTGCGCACGTGGAATTCGG
2066	ACTTCACAACGCTCCGTTGGACAC
2067	CCGAATTATAAAGCGCAAGGCACA
2068	GGACCCGATAAGACTCTGACGCCG
2069	ACCCGTTTCTCGTAGGAACCTGCT
2070	CACGTTGCACTGTATCTGGTTGCC

2071	CCTCGGATGGGCCCATGACCTTGA
2072	GGACGCCTGCTGTAGGGGTTTGAT
2073	CTCGAGCGTGGGCTAAAAGAGCAT
2074	TTTACTTCTTAGGGCGCGTTTGGG
2075	ACCACCAACATAGCGCGCACTAGT
2076	TGGTTACACGGCAGCCCGCGTAAG
2077	TTATGGTACGTTGCTGCGTGCGGG
2078	ACCGCGGATCTAACGAATCCCATT
2079	CATGATCCCGCCCTTAGGTTAAGC
2080	TACCGCTTCAAAGGGTTGCCGAAT
2081	GCACCGCGTCAATATTACCGAGGA
2082	GTGTCGCGGCTTTACAGAAGGAGA
2083	GCAAGCCATACCGCAATAAACTCG
2084	ATGAGGTCGTGCTGCGTTCACGAG
2085	CGAGACTAGTGCCGATGCAGGGTA
2086	GCCTCATCATAGACGCTGGATGCA
2087	GACAGGCGTCGGTAAGCTCTCAAG
2088	GCTACGAATCTTCCCTGTCGCCAC
2089	TTTGGCAGAACGTACCAAGTGGGGT
2090	GGACAATAAGCACCGGAGAATGCG
2091	TCATGAACCTTCTGATGCCGCGAA
2092	CGCCGCATTACCTTAAAAACGTGC
2093	ACGAGTCCAACCGCCTCATTGATT
2094	GCGAAGAGTTGCTACTCTTCCGCC
2095	CGTCGGCAACAATCTTTTTCGTGA
2096	AATCCTGTGCACCCGTGAGACGCG
2097	AACCTATATGCATCAACGCGAGCC
2098	GAACCTGGCAAAACAGCCCGGAAA
2099	CTCTATGGCCGTTTGCCGTCTGCA
2100	AGTGCACCGGGTTGTGGACACAAT
2101	CCTGGCTTTTCACACGCCAAGAAA
2102	CACTCAGCGTAGCCTGAAGCCTGG
2103	GAATTATCGACCGCAGCGGTGTGC
2104	GTGACATCACATGGTGGCCGAGCG
2105	AGCACCTTGCCGAGTCACCAGTGA
2106	TAGGTTGCAGGAATGGTGGGCACC
2107	GTCCCATACGTGTGGTACGCGGAT
2108	TCGGATACTCTCGCGTGCCACGGG
2109	CAACGTTGCCCCCTAAGCCCAAAT
2110	GTTAGGTCACCGCGGCATATCCTA
2111	GTTCACCGGCCTCTACTTGGGTTT
2112	AATCCGCGTCTAGGTCATGTGGTC

2113	GCTACGCCTCTGGAGGTGGTACCC
2114	CAGGGAATGCTACAAAGGGTCCAA
2115	AAGGGTTAGCTGCCCGGTAAACAG
2116	CCTCGCAAGCGCGATATTTATGCC
2117	GCCTCCCGGTCATGGTCAAGGGAA
2118	GCTGTTGAGCGGCGACCTGTGCAC
2119	CGCTGACTTAGCTCTGATGTGCCG
2120	TTCATGGCATTTCATCACGAAGGAA
2121	TAGTGTTATGCCCGCGTGTGAATG
2122	CATGTAAGGGCACGGTCGTGGGCA
2123	CAGGAAGCTCGCTCCGTGATGCAC
2124	CCTGCTGATAGCAACCTCACTGCA
2125	ACTACGAGGGGCAGGGTCTAGGCG
2126	CATAATGTGGGTGCTGACGCCGAT
2127	TAGCGAATCCACACAGAGCCGCTC
2128	TCGCGAAATCCCTAAATCCTGTGC
2129	TGGCACGAATCAAGCCACCAACTC
2130	GCGGACCGTCTTTGCTATCTGACG
2131	AGGCCCCGCTTGTAAATTGGTCAT
2132	CTGGTCCCATACGCCGCTGACTAG
2133	TGCTAACTGCGGCCCTACAGAGTC
2134	TGGTTTTATGTTCCGGTAGCGTCCG
2135	AGCTCAAACCTCTCCACGGGATG
2136	CGCGAAGATAGTGAAATCCGCATC
2137	GAGTGAAACCTCTCGCGGGTTGCA
2138	TCGAATGCTCTGCAGTGACGTCAA
2139	AGGTGGCAATGATCGACGACCCTG
2140	ACCTTAACACAGCCGACCAGGTGA
2141	GTCCGGAGCCGTGCAAAGCAATAA
2142	TCTGCCTGACTGCTACATGCTCCC
2143	CTTTTGGGGATTAGAGGCCGACAA
2144	GGCATAAAGGCTTCCGTTCTGTCTC
2145	GCGGACCGTAAAGCGGGCAGATAG
2146	TTTCAAGAGTGCATCGAATCCACG
2147	CCGGCATCCCTTCTCGCTGTTGCC
2148	ACACAGAGACGCGAACGGAGTGCA
2149	AGCGGCATTCTCCCACTCGTTACT
2150	GGAGCGTACTGCGCCTCGCAAGTC
2151	AAACCCGAATGACACGGCAGATAA
2152	GGTCGGGTCCATATCCAAGTAGGG
2153	AACCAGCGGATCGATAAAACGACA
2154	GGTGTCCACCCGTTAACGCCGGTA

2155	AGCGCGACGTGGCTTGCCGTAAAA
2156	TCCCACGGCTATAGGTCCAACGAC
2157	ATCAACGAACGATGCCGTTAGGTG
2158	GAGGCTAAGCCGTATGGCCGAGGC
2159	ACGGTCCGAAATGGTTAGAGGCAC
2160	ACGCAAACCATTCCTCGAGTAGGC
2161	TTACACGCTCGCTATTGGGCCATA
2162	CTCGGCACGGGTTTAGAACGCCGG
2163	ATTCGGTAAGGTATCGGGCTAGCG
2164	AGCACACCGTTATACATGACGGCG
2165	AGTCCCTGCCGTTCTGCTCATGGAA
2166	GGGCTTATGACCAGTCAGGTTGGA
2167	GGTCACCACACGAGTGCCTGGTCT
2168	TTGATCGTGTCTCCCGAAACCCTC
2169	ATTGTCGCGATCGGCATTTCTTAA
2170	GGGTCCAACGACTTCTCGCTGCTG
2171	CAAATTCCTTGGGGGCCATAGTGG
2172	CCAGAGTATCCGCCGTTAGACGGT
2173	TCCTGCAGATCATCTCGTGTCTGG
2174	TGCGGGAGATTTGAACAAGCTGTA
2175	TTAGACGCCGAGCTAGGCAACGTC
2176	TTTCGGCAGAATCTCCGATTCAAC
2177	TGGCGAGCAGACCTACAAGACAGA
2178	GGCGACAGACCGGTACATCGGCCA
2179	TCTAGACCTGCGTTTCGTGGGACC
2180	GCCGAGCGTGGTACCATACGTTCA
2181	TAATCACACCCGCTTTCTGTGGCT
2182	GGCCGGAGCCATTGGACACTTCTT
2183	CCTGTAGACCTGCATGGATCGCTG
2184	GTGTGTGTGTCTGCGTTGGGGCAC
2185	ATCGCCGTTCCCGCAAATAAGCA
2186	TGGATCAACGGGGTAGTGAAAACG
2187	AAGCGACGATGCTTTCTTGAGCTG
2188	CACGGGCACGTGTTCTACGCTTGC
2189	ACGGGCTGGGACAAGAGCTAGAAA
2190	GGTAACTGGCTCCGCTCTCACATC
2191	ACTCTGGCTGTTGGCGAACGTGAC
2192	GACCGAGGACCAGTCCTTGCTCTC
2193	AGTAGCTCTTGCGGCCTAACGGCA
2194	TTCTTGTCTGGGGGAGAGCAGTG
2195	TTAGCAGGGAGGTTGTCGGCTCAT
2196	TCGGGAGAGGGCCTTACCAAAAGC

2197	AGAACGTGGATTGTACGCTCCGCC
2198	CTTCACAGCCTGGAGCCACCAATG
2199	GAGATCGATGAAACGCACCAGCGG
2200	GGGTCCAGAGTTGGTGTGGGATAA
2201	CCGTCCACCCCAGATAGGAATCAC
2202	TGCCTCGCTTCTGTGAATCTACGA
2203	GATCACAGCGTCCGCGCATAACGG
2204	ATGACGCCTTACATGACGCACCTT
2205	GCGTGGAATAACGCCCTTAGTTCA
2206	GGTCTACCATTCTCGCCCCGACCG
2207	ACACCTCTCTGGCGTAGACGCTCA
2208	GTAGAGGTGCTCAGGACTCGTCGC
2209	GTAAGCAGGAGGCGAAGGCGCGAA
2210	TCTAAGGGCCGTTTCAATCGACCT
2211	AACCTGATTTTCAGGGTCAGCCCGA
2212	GTCACGCGATTGGCCACCTATTA
2213	ACGATGCCGCGCATGTAACCTAGT
2214	TGAGAGATGTCTCGTCAACGCCTG
2215	GCATATCTCGCGGTGACAGACGAA
2216	TATCCTGGACCCAGCCTTGGAGGA
2217	GACCCAACGTCGAAATTGTGCGAT
2218	TGAAAATCGGGGCATCTAGTTTGG
2219	CCGCGAAAAGGATTTGTGTACGCA
2220	CATTCCATTTATCCGCAGTTCGCT
2221	CCTGTCTGTGCGAGCCAGCGTCTAT
2222	TCAGCGCGGCTAAACAAGTTATGC
2223	ACGCCTACGAACGACCCAAGAGAG
2224	TGCGCATCTACCATTGTGTGGATC
2225	AAGTCCGCGCTCGCTCCTGTAATA
2226	GCTGGGTCATTGCTCGAGTAACCA
2227	TGGAGCGTTCTGGCAATGACCGAC
2228	CAAGTCAATTCTTGGCCAATTCGG
2229	CGTTCATGCAAGGATCCCAGGTTA
2230	ATGCCAATAGAAGCTGGGGATGCT
2231	CCTAACTCTCCCTTGAGGCCGTTT
2232	ATCTCGGCGAAGGTTCCAAACATT
2233	GCGACAGATTACGCTGCGGTTTTT
2234	AAGCCCAGACGGCCAACACGTTAC
2235	TCAAGTTCAAATCACATCCCCTGG
2236	GATTGTCGTTCTGTCTGTGAGGCG
2237	ACCGAACTATGTTCCGGCATGGCA
2238	CGTCATCGGGTGTGCAATGCCGTT

2239	CGGACGGAGTCACGTTTGTGCACT
2240	TAAACAAGTCGTGTGCCTTTGCCG
2241	TAATTACTGGCCTGTGGAGCAGGC
2242	GGAGCGGCCCGAATGGTGCTCTTA
2243	ACTAAGCAAGGCTTGGATGTGCGT
2244	GGCAGCTCAGCGGCAGTACGCTAC
2245	GCGAGGCGAATTATCCGCGGATTT
2246	CATACGACACACCTTGGGGTGCTA
2247	TGCTTGGGCTTTAAACCCCGTTTT
2248	CCGGTTGGAAAACGCAATATCGG
2249	AAACTAGCTAGCCGCACCCGCAAG
2250	GTTGTTCCACCAGTGATCACGCAG
2251	GCCGCTGACAAGATGATCATCGTT
2252	CTTTCATAAAGCCAACCGATGCCC
2253	CTGACTGCATCTCGAAAGCGGGTG
2254	ATTTCTTCGGAGAATCGGCCACGT
2255	CATTCGGGCCCTAGCTACTGCGC
2256	CCGATCCCGCACATCCGTATCCTG
2257	TATCACCGGGAGCGTCTTATCGTG
2258	TAGGGCTCGTGCACCGATTAGAGG
2259	GCGTGGCACTCGCTTGTCTAGGTA
2260	CTCAACGAACCTCAAGGGCCGCTAC
2261	AGCCTGGTATCGACCAATCCTGCA
2262	TACGCGTTCTAGTTGGCCGGATCC
2263	TTTATGGGTTTGTGCCTGATGGGT
2264	GGGACCCCTAGCAACGTCACCTTA
2265	CTGCCTCCCCAGGAGTCATTGGAT
2266	AACCCCGCAAGACCAGTACCAATC
2267	GGTCACATACGCGCTAAAAAGCGC
2268	AAATGGCTCCGACCAGTTAGGGAC
2269	AACGCGGCACGCTTAAAGGTGCAT
2270	GATCGCACGCCGATTAACCTTACA
2271	CCTCCTGATTGGGAGTGCGGAATT
2272	CGGAGGGTAATAGGCTCCTCTGCG
2273	ACAAGAAGTGGACATTACCGCGGG
2274	TGTCGTCTTAAAGGCCTTTGTGCG
2275	GGTGACCATGTGGCGTTTATAGCTT
2276	CACGGTTGCGCACGGTACCAGAAC
2277	CCTTTATTGTTTGGTCCCCTGCCC
2278	GTGCGCCTGCATTCTACCGTCAAT
2279	GTTTACGTTGATGGCTTGCCGCCG
2280	CCGTCCGTGGTAGGACGTGAATGT

2281	TGATCGCCCCAGAATCCCTGTGCT
2282	AAGCAGCCAAAAATCGGTTGCTTT
2283	CGACGGGACTTAGTAGCAGGGCCT
2284	CCGATTGCGGAAACGACCAAGTAG
2285	CCACCCCAACTCCAATCTTTCTCA
2286	GTGCAGTAGACGACTACCGGCGTC
2287	TTCGCCCATCGTATCAAGCAATTC
2288	GAATCGCGACTACCCGTCGGGTCA
2289	CCAGCACTCGCCATCGGTTATAAT
2290	CGAACCGTAGAACTCCGGTCGGTG
2291	GCACCATGACAGAGCCCCAGGATG
2292	TGGGCTACCGCAGAATAAGGGTGA
2293	TGGCCTGTCGTGTCGAAGGAAACA
2294	GCCTCACCGATAGCGAGCGTTTGC
2295	GTGCGCGCCGGCTAAAACGAGACA
2296	CCGCAGACGAGTTTCTTGTGACAG
2297	GTTGCAATCGCGTGCTAGGAAGC
2298	TGTTGTACACATGCATCCGGTGAA
2299	CACTGAACACGATATAAGGGCGCG
2300	CGCGATGGTTCTTAGCAAGACGAT
2301	TACACCAAGGAAGAAATGGGGACG
2302	CGTGCCTTGCGTTTTAGGTGCAGC
2303	GTCGTTTGTCTGGGCATTAACGGC
2304	CAGGCTCTCGTTCGGTACAAACGT
2305	CGGACACTGTTTCACCAGAACCCA
2306	TACCCATGATGCGGAAGAAGCGTA
2307	CTGTCCTTAAGCGGATGAGAACCG
2308	CGGGAGATGAGAACGGTTTTGTGC
2309	TAGATCGCGACTGTACTCAGGCCG
2310	TAAAACAGTTCGCGCGACTGTCGT
2311	CGAGGAGCTCCACATAAGCCCAAT
2312	TGGCTAGGGATGGGGAATCATCTT
2313	AGGATTGGGTGCCTGGATGCATTG
2314	TGTATCTACCGGCCTGAAGCAGGT
2315	TCCCTACGCGCATGACTCGCTTAC
2316	TGGTCGATCACCTGTGACAGACGC
2317	TGGGGGTAGTCCATGCATCAATTG
2318	CCCTGCCAGGATTACTATTCCGGA
2319	TCCCGCACGGGGAATTTAAGTAGA
2320	GTGATGTGCAGGAACCTTCTGTCGC
2321	ATTTAGGCATGCATGCGCTTCTCA
2322	TTCGGCGCTAGTGGACGCCGTCAA

2323	GAGCTTCATCTCATCAGTTCCGCG
2324	GACAACTCCACTGCTCCAATCGCA
2325	GGCCAAGGATGGACCTTACGATGG
2326	GGTTCGGAATTTGTCACCGCTTC
2327	GCGCTGGATAGTCTGCGAGAAGCC
2328	TGAGTCCAGTGCTGCCACCATGAA
2329	TTGAATTGGGTGTGCGAGCGTTCT
2330	CGGCGGGCAGACAATGCTTTGAAC
2331	GGGTCTGTCAAAGAGGGTGTCTGG
2332	CTTTGTGCAAGACGAAGCACCTT
2333	ATCGAATTCCGAGGAGGTCTCCAT
2334	TCCGACCCTCAGAGTCGACTCATT
2335	ATCAACGGCCACCTCCTCGCCGAG
2336	AGCCACGGAATAATTCCGTCCACC
2337	GATCGCTTGCGTATCGCAAAGACT
2338	TCCACGCCTTACCATCAACTGCAA
2339	GCCAAGCGATAGGCCAGAACTCAG
2340	AGCGTGTGGGTCATTTTAGCACGA
2341	GTTATGCGCGGCTTACGAGTTCGA
2342	TCTGTCCACGTAACCTTGCCTGCAG
2343	TCGGCAGCCAATGATCATACCTCT
2344	TAAGCCCGATCCGGTCCTGTGTTT
2345	ACATGGCAGACTAACAGGCCTCGC
2346	CATGGCTGCACTCTAAGTCGAACG
2347	TCTTCAACCCACGCGGAACGATTG
2348	CTCGTGTCTCCAGAGGATTGTCCC
2349	TGAAGGCATCAACCCAGAGGATTT
2350	ACAGCTCGAAGGCAGCCACATTGG
2351	ACAACGAGTACCGCGACAGAAGGG
2352	ATAACCGAAAAACCAGCCTGCGAT
2353	ACAACCTCAGCACTTTCGACGTCCA
2354	CGGGTTACTGGGTATCACCAATGC
2355	CATCGGTTATCGCTGCACGCGCGT
2356	GAAGGAATCCCGGATAGTCCGTGG
2357	GCATGGTCTCAGCCAAAGAACCTG
2358	AGCCTGCGACGTTTCCCGACAGAC
2359	AAGAAAGGCGCACGGGATCGATAT
2360	TGTCGCGAAGCCAACCTTTCAGTAA
2361	GCGGCATGCAAGGTAGGTCTGGAT
2362	GGTGGCCATCTCCTCGAATTGCAT
2363	GCGTGCATAAGTTGCACATTGTGC
2364	TTGAGGTAGCGTTTTTCGCGCATAT

2365	ATCCCACTTGTGAGAGGGCGCATT
2366	CGGTCAGCGAGCAGACATCAACCT
2367	GCGTATCTTCGGGTCTGAACACTTG
2368	ATGCCATTGAACTCGCACTTTGCG
2369	CGATTCCCATCATAATGTGGGTCC
2370	CAATTTGGATAATCCAGCCACGCC
2371	CGGCTTACCCTATGATTCCGTGCA
2372	GGTGGACCATGCGCTGTGGTATGA
2373	TATTTGTCGAAGATCGCAAGCGCC
2374	GTCAGTGGGTTTTGAGAGCCCGCA
2375	AGGGGGTCGGGAAATCTGACAAAA
2376	TGCTTGCTATCCGAAAAAAGCAGG
2377	TTATCGGATCAAATTCGGCTTCGG
2378	TGCAGCAACGAGTTACCCGGACTT
2379	TATACATGTCCGGAGGGGCACCCA
2380	TGCAAAACCGGAGGATGAACCCTT
2381	TCGGTCTAATGTCCACGCAGACAC
2382	ATGTGTTTGCCACGCGCTCCTATT
2383	TGGCGAGGCACGGCTCTAATTCGG
2384	GCGACGACCCGAGCGACTTTTACA
2385	CTCAGAGAGTCTATCCGGCGCCCT
2386	GGAACATCTCCTGGGTCCCTCAGA
2387	GCAACGCAGGGAAGTACTTAGCGA
2388	TGACTTGGGCGGACAAAGAAACGC
2389	AGATCATCGGGACGCTTCATGCTA
2390	CCCTTCTGACCGCTAAGGCCATAA
2391	CGTGAGCCGTGGGGTGTCTCTGTA
2392	TACCTTGGTCGTCTCCGCTTTTGT
2393	TCGCCGCAAAATGCTACGTGAAAA
2394	GAGTGACCTAATGGCTGCCCGACT
2395	AAAGGAACTTGGCCAACCCTATGG
2396	TGTTTTCGCACTCCACCTAATCGC
2397	CAATGGGTTTCATAAGGGCAGGCA
2398	GCCTAACACACAAGGGTCCCTCTG
2399	CGTCATGCGGTCCGAGGATCGATC
2400	CCACACGGGCACGGAGTAATATCT
2401	CATCAGACATAGGTCGCGTGCCGA
2402	AGATGAAACCAAGGGAGGACGCAG
2403	GGCTACCCATAGGCTCAGCAGCAC
2404	GGCTTGTGAGGGTGTGTTCTCGAC
2405	TGTGTTACGGCGAATGCAACAGTC
2406	CGATAACAGGTCTGCGCCGTTACTA

5

10

15

20

25

30

35

40

2407	TGATAAAGTGAGGCTCCAGCGCGA
2408	AATTGTGCACGGATCTGCACGGCG
2409	GCCGATACTGAGCATTTCAGTCC
2410	GCAATGTACTGTCACCAAGTGGCGA
2411	GGCATATCGGTAACACTTGGTCGG
2412	GGGTCTCAAACCAGCGTGGCCGCT
2413	GTCTCCGGGACCATTGAGCTGGAG
2414	GGCCTTCGGCATTTCAGACGGGTTG
2415	CGTGATAGGCCACAGCGCTCAATT
2416	GGCAGGCCCGCGAGGATGATTAAC
2417	CGGGTATGGTTGATAACAGCGTGG
2418	ACGACGTCCTTGGGACCGTATTGT
2419	CTGATATCGAGCCTGAGCCTTTCG
2420	TCCCATTGGCCTGTATGCTGGCCT
2421	GTGTCGTCGATTGTTTCATCGACG
2422	CGAAAGCCAGTAGCCGATTGCGTG
2423	GGTTCGGCTTATTCCACTGCGACA
2424	AGCGAGGGCTAACTTTTTAACGCG
2425	CGGCGCTGATGACGGGACTCGATT
2426	TCACAGTGCTCGGCGTAAGGACTA
2427	CCCATTACGAGCACACACCATGGC
2428	GGCCGCTAATCTTTACGCATCACG
2429	ACGGCTTCCTAGTGTCCAGCCCTT
2430	CTGTCAGGTCCTACCCAATGGCTC
2431	CACAGCCCATCCCACTGAACTGCT
2432	ACAAACGATACACGCAACGCTGTG
2433	TGGCGGCCAGCTAGCAGGCGAAGT
2434	ATCTCGAAACGATGCGTGCCTAAA
2435	ATCTCGAGAACAGCGTGCGTGCGG
2436	GAAGAAATCCGCCGACATCTACGG
2437	GCGGAGCAACCTTGGCTGTTTCTA
2438	CGCGTTCCGAAGACTTGTTGTTTG
2439	TGACCTGAAGCCCATCCATAAGCA
2440	TGGTATTCATTCCGGATAAGCGGG
2441	GCGTTGCGGGTCATTGATGCAAAC
2442	ACCGCTTTCTGTGTAGAGCCCTGA
2443	CAAATAGACAATCGCAGCTTCGGG
2444	TGTCCTGACAAATCAAGGTGCAGG
2445	AAATTGCACTCGCGGAGATTTCT
2446	TGACGCCCATTCTATATGGTGCA
2447	TGTTCCGACAGGGCACTGCTAGAC
2448	TCGCTGGCTTGGAAGGCCTTCGT

5

10

15

20

25

30

35

40

2449	GTGCACCTCCGTTGGCGTAGAATG
2450	CTCATTTGGGACCGATCGGGTTGC
2451	GCCAGTGTCTGTCAATGGATGGGA
2452	TTGCCCGGCAGGTTCTGTGTAATG
2453	ACCCGCGAACCGAGACGCACTTCT
2454	TCCGTGCGATTGGTCAAGGTTGAT
2455	AGGGCGTCTCGGTTGAACCTCGGT
2456	TGACCGTTCAAAGAGCAAGCCAAC
2457	ACACTCACCTGCTGTCCCTGCTGA
2458	GCGTTTAACTCCTTGGGTGGTGGT
2459	CGCCTGCGCAGGTAACCTCTCCGCA
2460	AATCGAATTTCCCAGCGGCTGTTT
2461	AAGCAGGTGGGATCCTGGGGATCA
2462	AATCCCAGACTCGCTCTTCGTGCT
2463	ACGGTTATAAGGGCCGGCTGCGAC
2464	TACGAGAGCGGGCTTAGACGTCGC
2465	GCGATTTTGACCCACGGTTATCGA
2466	AGCTGTATAATTTGGATGGCGCGA
2467	TCCGCGAGTCTTAGCCGATTGAAC
2468	GGCATCAGCTCCGTAAGCCGATAG
2469	TGTTATTGGCAGTTCGAGCGACAG
2470	GCGAGCCTTTTTGCTTGGGAAGAG
2471	AGAAGAAAAGGTCAGCGTCGACGA
2472	CGGGTCGACCCTTGAAGCATAACC
2473	CTCGGTTTTACAACTTACCGCG
2474	GCAGTCCTATCCGGAGCCTGACAA
2475	AAGGTGCGCTATTTGTTGTCGGTC
2476	AGTGGAATCCATGCCGACACCTGA
2477	TACAGGCGTAATTCCTGCGAGGGA
2478	CCGAAGTGCGAGAAGCACGTTGTT
2479	AAGGACTGGTATGGCCGGAGCTTT
2480	GGACACCGCCAACCTCATAGTTGC
2481	AATGGTGTTGCGCTGGACTACCAC
2482	TAGGAAAGCGTACACGGGAATCCG
2483	TCTACCCCCAATGATGAGGACGTC
2484	CGTGTCCGTGTGACACTGTCCATG
2485	TCCAGGCTGTTGCGGATACGGTAG
2486	GTAGGCAAAATGGTCGCGATCAAT
2487	ATCTCCGTGGACCCGATTGTGACA
2488	GAATATGCCGTCAACGCTATGGGC
2489	TTCCGGAAGCGTTTGGTAACTTTG
2490	TTCGATAGGAATACCAGGGCCTGG

2491	GGCCATTTGAGGAGGATTATGCAA
2492	ACCTTCTGACCTGGACTTTTGGCG
2493	GACCAATCCGCAGTTGAGCAACAG
2494	TCGGCCACTCACCATGAGTGTAGG
2495	AGCGCTCACATGTTGAAAACGGG
2496	TAACGCAAAGGCGCGATCCTCGCT
2497	TGGGTGGGCCAAATATTACTGCAA
2498	GTCCTCGAAAGGGGCATCCAAACA
2499	CCCATCTGGTGGGAGGCGTTATCA
2500	GTGCGCGGTCTGCAAACCTGCCAT
2501	TGTGTTGCCAACCCCTAGGTCATCA
2502	CTGATGCTGTTCTCGTCGGTTGAC
2503	AAGCTGCAAAAGGTGAGCGTGGA
2504	TCTGACGCGTGCTTGGGAGTCTAT
2505	GAATTACTTGGAGGCGCCGTGCAA
2506	GATTCTTCCCGACCTAGGTTGGCC
2507	CGCAGCGTATCCCATGTTGCTTGA
2508	GAGATGGAATTGTTGCCCAAAGA
2509	GATGCCTGGATCGGTCTAGCGTCA
2510	GCAGCGACTGCTAAGCTATCTCGG
2511	AGGGCTAATTTACATCGCCTTGCC
2512	AAGTGCACATCCTCACGAAGCGAT
2513	TCAGGCAGCCGTAATTAAATGCGC
2514	CCACTGGGGAAATCGCACTGTTGG
2515	TTGTCCAAAGCCACCTACGACAGA
2516	TGGGCGGAATAGATTGGGTGTCTT
2517	TAGAATTCGCCTCTTCTAGCCGCC
2518	CATTACTTCCTGCAGATGCGATGC
2519	GGAAATGCTAGCTGGGGTAATCGC
2520	GCCGCCACTTGCGAATCTACATCT
2521	ACAATAGCGGACAGCTCGCCAGAT
2522	AGTTAGGCTCTCGGTGCGGTCCAT
2523	TGGGCCTGAGAAGCGGTTAATAGG
2524	ACGCTCTGAGCGACGCTATCGTA
2525	CCTGGTGATCGTGTCCAGACTCA
2526	GCGTGTCCATTCGCTTGAGGTTTC
2527	ATCCTGAACGGCGATGACCACCAC
2528	TTACGTTTCTCACCGATCAACGCC
2529	GCCGTCTTGAGTGGCTAAAAGGCA
2530	ATCTACGATGCGGCTCGAAGTGT
2531	AACCAAGACTCGTCCCCAAACGAA
2532	AACTGCGGTGGTGGAGGCAGGTGC

2533	CCTGAGTGGTCGGGCTGAAAAAT
2534	TGCGATCTTCTCCACCTACAGCGC
2535	AGGCGCTTAGAACCGTGAAGGCAG
2536	TGGAAAATTTTGGGAAACGCTGGA
2537	CCAGCGCCGCACCTTCTCCAATAG
2538	TAGACGGCTGGCGAATCTTACGGT
2539	TACCATACAAGAGAACGAGCCGCA
2540	GTAGCCGAGAGCAATTTTCACCGC
2541	GCAAACTCCCCTGCCCTTTAGCCT
2542	ATCCCGCTGATAACCGCCAGGATA
2543	AGTCTCAGTTCGGCGCAACGGTAG
2544	AACCTACAGTCGCCGCAATGCATT
2545	ATACACGTTTCAGCCGGCAACAAT
2546	ACGACGGGACGTGCCCTCGTTGAT
2547	AAGTCCAAACTCGAATGGGGCAGT
2548	GATTTATTGGCGCGTAACGACCT
2549	TGTTTTCAGAGGCTACCCTGCCAT
2550	ACGGTCTCAGGGAAATGCGATCTC
2551	GACTTGAAACCGCCTATGCCACA
2552	CGATCGGTTGTGTGCTGTCTTACC
2553	AGTAGCACAATGCCTCATTTCCGC
2554	CTCGCTATCTACGCGTCTCCGAAA
2555	AGCCCGTTACGGCATCTAGGATTC
2556	TCGCGATGGCGAGAGTTCAGAATA
2557	TTACAGGATTCCAAAACCCGCAAA
2558	CGGTACCAACGCGCGGGCATATGA
2559	TGCCAGTATTATCCGTGCCAGCCG
2560	ATTTCAGACCTCGGGACAACCTGG
2561	GAAGTGCGCGTAACTTAGGGAGCC
2562	TTGGCCAGGTCATCACTCTGCCAT
2563	ATCGGCCGGTATTAGCTGCCCTCC
2564	CGCAGGTAAGGCCGAGCAATGTTT
2565	TTGGGAACGTGCTAGGCGGCCCTC
2566	CCGCAAAAGTAGAACAGCCTGGGT
2567	CATCTCGGCACACTGGTGCTGTAT
2568	ACGCGTAAATCAACGACGTGGTCG
2569	CGTAGGTGGTAAATGTTGGCCCAG
2570	GTTGGGATGCTGCTTCACTTTGGG
2571	TTCGAGCCAGAATAAAACGTTGG
2572	AGAGATATTGGCCTCGGTGAGAGA
2573	CGACAAAGTTTCTCGCGAGCAACT
2574	ATTGCCGCGTCTCGTATCAAAAGA

2575	CGGAGAATGGATGCAGGTTCTTCG
2576	TATAATCATTTGCGACTCGCCCCA
2577	AATTTTCCCCGATTTGAAGAAGCG
2578	TCGCATACTTCGTCGGCGAGTATT
2579	CGTGAGCCGTTCTCATCCAAGCGG
2580	GCAGAATCGAATTGGGGTGGGTTT
2581	CTCTCGGTTTCTCAACCGAGCTCG
2582	GACCAGTTAGTGCAATGGTTGGCG
2583	TTCTCGCACAGCTAGTCAGCCGAT
2584	CCAAGTCTTGCGTGAGCGATCCTG
2585	GCGAAAGTGGCTCGTATTTCTCCA
2586	CCTCGGGACTGTCCGACTGAAAAA
2587	AGGCGAGTGTACGGCTCATCCATG
2588	GCGGCTCTGCCTACGATATTCA
2589	TGCACCTGTCTGTAGATTTGCGGT
2590	CATAAAGCACGGACGCGACTTGAT
2591	CCCTCAACGTAGGGCGTGACTTTC
2592	GGGTCATCGTGCAATTATGCCGTA
2593	CCCGGATAATCCTTTGTCCAGCCG
2594	TCCGATAAGCGAACTCACATGGGT
2595	CCTGCTGGTTCGGTCGTAAGCGAA
2596	GAGGCACCAATCGGTCTGAAAATG
2597	TACGAAAATGGTTGCGCCGGGTCT
2598	CCCAAAGATCGTATCACCACCCAA
2599	AATTGCCGGAAGCAGTCAGAATCG
2600	CCGAATCAGCCGTATTTGCTGGAA
2601	CCCGCTTATCTGTA
2602	TTTGGGGATCCCTATTAGGCGCA
2603	AGTGACAGCGCTCACCACGGTCCC
2604	CCATGAGTGTTTCGGGACATCGTA
2605	GCCACATTCTGCTACCTCCGTGTT
2606	TCCTGTGCTTTGTGACGTGCTAGG
2607	GACCGCATATACACCTGATGGGCC
2608	GTAGGCCCGTCGTTAACCATCTCA
2609	CGGCTCGCGAAATGGAGTTTAGCG
2610	GCTGATCGGCTTTTCACCGCTATA
2611	TATCAAATCGTTGGCACGCGACTA
2612	TTGGCGAGGATCCCTAGGCGTACT
2613	AAGTCCTGAGGCCGTTTCGTTTCT
2614	ACTCCGGACATCTCGGCCAGAGAT
2615	CCAAGGGGAACACAGGATCGTAGA
2616	GTGGCCTAAATCCGCCTTCTCAAC

5

10

15

20

25

30

35

40

2617	CACTCCGTCTCGTCCATTAATGCG
2618	TCAAGAACCCAGTGCCGGTCAGCA
2619	GAATCAATTTTCCAGGGACGGGAC
2620	GAGAGCATACGCAATGTTCCCTCC
2621	ATCGGTGTGCTGGAGCGCCAGAGT
2622	GCCTCTCCTATGACGATGACCCAC
2623	TGGGCGCGCTTTTAAGACTACATC
2624	CGTTGGGTACCGTTCTATCAACCG
2625	GCAGTGAGCTGGGTTCAATGCTTC
2626	CATCATCCACACAGGCAGGTGTGT
2627	AGACAAAGGTCCCCATTGCGAAAT
2628	ATACTCGTCGACGAGAAGCGGAAA
2629	GCAGAATGTGTTGTCTTCGCAGCC
2630	CACCATGCCTTCATCTTGGCCTAG
2631	ACTCTTCAACGCCAGGTTAAGCCA
2632	GCGACCTGCGGCGTGTGTATTCTC
2633	TCGGTGTATGCACCCTTTCTCCAT
2634	ACCGTCGAATCTTGCGGCCAATGT
2635	TAATGCATGCTCCCGGCTCACGTT
2636	TCTGTACACACCACGTCGTGCACA
2637	CATGGGGTTGTCAGACGACACCTA
2638	AATCTGATGCTCGCTGTAGGACGG
2639	TCGAAACCGCGGGAAAGGGTAAAA
2640	CGCTAGGGCCTAGGGGCACAGACA
2641	TGGGGGACGGGCGTCTAATCCTCC
2642	AGGCATGCACCCATGCTGCCAGAG
2643	TCCCAATGGCCTGTCAAGCATAAA
2644	GAACCTGAGCCTTTGCTAGCACGA
2645	CGAATTGATAGCGTTACGGGCGAA
2646	TTGCACGCGCGCGAACGACTATTC
2647	TGCGGTGAAGCAGTCCAAGGTCAG
2648	TGAGGACCATCCAATGGATCGGTT
2649	TCGGTGATTGGTAATTTGGATCCG
2650	GCGGGCAGGTAGTTTGACTGGATG
2651	CAAGCACAAGCCCATGAAATTTCA
2652	CGGTACAGCGGATAGCCAAGGATA
2653	CCATGCTCTTCGCTGCAGCATACT
2654	CGCGGCAAAGATTAATTCGCGCG
2655	GAAGACCCGTCCGGGTTTCCATAC
2656	CTGGCAAGGAGGATGTGGCTCGTG
2657	CTGTGCAGGGGGTGGCTCTGTTGA
2658	TTCAATAATGATCACGAGGCCCCA

2659	TGGTGATGCGAAGCCTTACCTTTG
2660	CTGCCACCATCTACGGCGCAGTCT
2661	TTTGCCCAGCTCTCGCAGAAGTTA
2662	AATTCAGACGCCACATCGACGGTC
2663	CCGTGGTCTGCCTCGATTACCTAC
2664	GGCGAGGAATTTGGAACCTTATG
2665	ATCCGATGATCAGATACCGGCTGG
2666	CCATAGACTAGCGCCAGAGTGCCC
2667	TGTGGACCTAGAAAATTGCCAGCC
2668	GAATAATCATCGCGGTCTCATGG
2669	GGGATTGGCTCTTGGTTGGAAGAA
2670	ATTGTGCTTCCTCGAACTGGGAAA
2671	TGCCCCACCCCGTAAGTCAATAAT
2672	TCAGGACCGACGGTGCACTTAGTG
2673	CCAGCCGTCACAGTGCAATTTCCG
2674	CTTAAAGAGGCGCGAAGCACAACA
2675	TACCGCTCGTCGCGATCACAATGA
2676	CCGAGTGCGCGAAGTGTCTATGTG
2677	GCACCAGTGCCCGATCAAAACGTA
2678	TGCAGGCTTCTCAACGGCTGGGAG
2679	CTCCGTACGTATCCCGCGTGATAC
2680	GGAAGTGCAACTTAAAGCCCCGCC
2681	CGAACCGGCAGTCGATCGTTGCAT
2682	CCGTTAGTGGTCGACAGTTCGGTT
2683	TCAGGCTACGCCCTCAGCACTACA
2684	TATACGGGCCGAGGTCCGTATTCTG
2685	CCAACGTGTGACGAAGGGCCATTG
2686	CTGCTCAGCGGTGCTTGAAAGACA
2687	GGAGATTGACTTCGCGTTTCACCA
2688	ATGGTTCAGAAGGTTTCGTGCGGTT
2689	GAGTGGAGCATTCTCGGCCCTCAA
2690	TGGATTGGAACCAATCCCGCACAA
2691	TGCTCTTGTGGTCACTCGAGAGGA
2692	TTGGGAGCACGGTTACCGCCTGTG
2693	CAACGCGAGCTAACGGTAGTTTCG
2694	AACGCTGAGCGCTCACCTTCACCT
2695	CCGTCGTAGATCTGGAGGCTTCAA
2696	GGATGGCATGGGCACACTGTAACC
2697	TCGCTCGTAGATATCCTTCACGCC
2698	GGAGCAATACCGCGTCCAAAACAC
2699	CGGTGTGCTTCAAATGCCAAAGGA
2700	TTGTTCAGACTTAGGCGCTGCCCA

2701	CGGCGGTACTCTTTCCACTGTCCT
2702	AAGACGATTGCCCACGTGCCAGAG
2703	AGGTGAGCGCAGGCATATTGCAGT
2704	CTCGGGCCTGTACAGCAAAGCCGT
2705	TGCGCGCTAGTGCTGCCTATGATC
2706	CCATCCTTTGCCTTGAGGGTAAGG
2707	AACAACAGCGTAAGACGGACAGGG
2708	GAGGCGGTGAGGCTCACAATATT
2709	CGAGGTTAGACGCCTATGACCCAC
2710	AACTTGCTATACCGGGCGCAGCAA
2711	CGCGGTGAATCGCATACACAGCGC
2712	CACCGAATCAAGCCATATGGCTCT
2713	TTCACAGCTATCCTAGGCGCTGCC
2714	AGAAGCGCGAAGTGTACCCCGCAT
2715	TGCATGGTATTTGCGTGCGATAGG
2716	GGCCGGACCTATGTGAGATGGAAA
2717	TCAACCTGAGTCCTGATCCCAAGC
2718	TGCTTACCGTTCAGGGAGGCGTGT
2719	GGAGAGTTACGCGATGAGCCACCT
2720	CGGTATGCGGTGTACAGCTTTCGT
2721	GTAAGCCGGGTCTCGTGTGCGCGT
2722	GCGTAGTGCGAACGCCCGACCTA
2723	TCCTCGCGGCTTACGTCAAATTCG
2724	CGACGTTCAAAGCGGGAGAGGAGG
2725	CGAGGCACCCCGACATGTTGAGAT
2726	CTATTTCTGTGCCGCGTCGGACAAG
2727	GGCTGCTCAGTGACGTGTCAACTG
2728	ATCACTCGTGCGTACCCGACCGTC
2729	CGAGATGTCCTATACCGTGCGGAA
2730	TCACACCGAGCCCCATAAATGAAA
2731	AGCTACGTGTCTCGAGCAAAAGCG
2732	TCAGGGCGAGTTTTTTCAGCGGCG
2733	TTCGTTCTGTCTATTTTGTCCCG
2734	TGGTATGCCCAGGATCCAGCCTAC
2735	TCTCAGTCGTTAGGCCAATGGCGG
2736	AAAGATCACCGTGGAGCGATCGGC
2737	TAGCAGGACTTGCACTCGTGATGC
2738	TGCCCACGGTACCGTTCAAGGCTG
2739	TGAGGTGCGTCGCCCTAAGTAATG
2740	AGCAAGGGTTACAACCCGCAACCC
2741	CACAACAGCCAGTATTCGCCACAA
2742	GGCAACACCATACTCGACGAGCTC

2743	GGCTGGATTGACAATTTAGCCCCT
2744	CGTGAGAAATGCTACACGCGTCAG
2745	CGCATCTGCCCCATTTTGTTCCCTT
2746	GTCGGCCTAGTCGGCAGAACGGTG
2747	TCGACACGCGTAGCAGCGTGGACA
2748	TCCCTCACCTTCCAAAAATGTGCT
2749	GGGCAAGAACATGAGAACAGACCG
2750	TCGTCCTGGTACGACTTGCGTAGA
2751	TGGCGGTTGCATGTGATGATCAAG
2752	CCTCGCGTGAGTAAAAACCGTCCG
2753	ACTTCCGCCACAGAATGCGGCCAG
2754	GTGTAGAGCTTGGGTAGCCCCGTT
2755	CGCAGCATCCGAGTTAACACACAT
2756	ATGAGCCTGGGATGATCCGCTGGT
2757	CCTGGCATAAGTGCCGACATGCTT
2758	GCGCATGAAAACTACGACGGACG
2759	AAAGATGGGTCGATGGGAGCGTCT
2760	ATCCTGGGCACGAGCGGATTTATC
2761	TCACCGCATTTGATAGTTACGCGA
2762	TGGTGGAGCGGACTCTGGTGTTAT
2763	CACAATGAAAAACAATGGCCCCA
2764	CCTTGCCGCGCTTGTGGTACCAAC
2765	CCGAGACCTTTGCCACACGAAAGA
2766	ACCGCGGTGTACACCTGAGCAGGC
2767	GTCGTACGCTTACCGCAGCGGAGA
2768	TCGTAATTTGACCGACACACGCAG
2769	CCTAGACGGATACCCTGAGCGGAA
2770	AAGCGACAGCAGAGGTTCAGTGCG
2771	GCGTGGACGATATCACCTGGGCGT
2772	GTCGGAGAGCCAGTGGTACGGCTT
2773	TACCCTCCGGACCAGCTGTAATGA
2774	TATCCGCACGGTATAGCAGTTGCA
2775	CATCAGTCGGGCTACCTTCAGCCT
2776	CGGATTAATGCCTTTCCTCGGAAT
2777	TTCGTCGTGCCAAGCTAATGCAAG
2778	CCACTACGGATCAGCACAGGTGTC
2779	GGCCGAGACCACCAGTAACAGGTT
2780	CGCGCGGAAGCATTGAAGTTACTA
2781	TCGGCTTACCGCTTCGTCTGACTT
2782	GACTGACGTCAAGGCAAGCAACAC
2783	AGAGGAAGGAGGGGCTGTGACAGA
2784	TTCCAATGCGAGAGATGGCAGGCT

5

10

15

20

25

30

35

40

2785	AAATGGGGTGCTTCGAATATGTCG
2786	GCTGTCGGATTATTGCACGCCTGT
2787	CCGACTTTGTTTATGTTGCTGGCG
2788	GCTGCGATATAACCCGTCCCAGAA
2789	TGAGCTGGGCGTCAACTCCGAAGA
2790	CCCAAGCATCCTAAATCTCCCTCG
2791	CGACAGCAATCCACATGCATTCTT
2792	TGAATGGTTCGGGAAACCAATGCAT
2793	CTTTGCATCGAGATGCGGGGTAGC
2794	TCCATTTCTCCGCAACTCTCAGG
2795	CCACTACGCCATCCTGACAACGAG
2796	TAGTAAGGCCAATGTACGCCGTCC
2797	GTCATGCATATGGGGCCTGTTTTC
2798	ACCGGTAGACGTTAGCGGGTTCAA
2799	TTGGTTCAAACGGCCACACGTCTC
2800	GACACAACTGCAAGGGAGGCATG
2801	CTCGAGCGCTGTCATCATATCGGC
2802	GCGGCTAAGGCACAAGTAGACGTG
2803	ACAGCCTAAATGGCGCAAGACCGA
2804	GCCAAATGCTTGGAATTTGCTTCG
2805	CCGATGATGTAAGCCGTGCGCCCT
2806	AGGAGCAAACAAACGCCAGTGACA
2807	ACGAATTGGGTAGCCGGACTGAGA
2808	CTGTTCCAGTTCGGCAAGTGCGGC
2809	AGACAAGTCAGGAACGCGTTTCCG
2810	AGACGACGGCCAGATACGCTGCCA
2811	AGGAAGCGCTTCTTCCGTTCTTC
2812	GATGGACGCAAACACAAGGCGATC
2813	CGCATAGCAGTCTCCGCATCTTGG
2814	TGGTTCCGGTGTGCAACAGATAAA
2815	CCGTATGCCACCTCCAGAACTCAA
2816	GTAAAGGAACCCCTCGGGAATCCT
2817	GCCTGATGCTCGTTAAAATTGCGT
2818	TCGCACTTGGACCATGAGATCTGA
2819	TTCTCAGGCTGGGCAAGAGTCTGT
2820	CGGACCTGGGGATGCTGGGATTAC
2821	TCGAGCCGATAGGGTTGGCATTGC
2822	TACGTGTGTCCCACACACGTCGTA
2823	TGTGAAATTCGCGTTTCGCATCTT
2824	TTGCAATGCTCCAAAAAACTGCC
2825	TCTCATCATGGCTGTGGCTTTGAC
2826	ATTACACCGCTTGGTTTGGAGTGG

5

10

15

20

25

30

35

40

2827	GCCGTGCAATGCACAGAGTTCAAG
2828	GAGATCAGACCGTGTCGGATGCTG
2829	CCACCTATCTTGATGCGACCTGGA
2830	CCGATCGCCGTTTATGTCTACGGC
2831	GAAATCACGGTAAGGCACGTTTCG
2832	GATTCTCGCTTCCCAACGAGCATA
2833	CCAGAGCAGCATTCCACAATGGTG
2834	TGTGAAATGTGGCAGTCTCAGGGA
2835	CGATCCTGCGTGCCTCATCCAGGC
2836	CCCTCAAGTGGGCGAGGGTTTTCA
2837	TCGCCTCCGCCTCGTGTGTAGAAG
2838	TTCGCTTTCAGCTCATTGGAACGA
2839	TGTAATCTGAACAAGCGGACCCCT
2840	TGGAATCTTTCTTGAGCGCCGTGA
2841	GGCTTTCATCTTTAACCGCTCGGT
2842	TGATCCGAGCCATTCCATAACACC
2843	TGGTAGGCGTGATGTCCTACGCAA
2844	AGGCATCGGTAAGAAGGCCCTATG
2845	CGCCGCGAGACGATCCTTATTATT
2846	ACATGGACGAAATTACGCCCGTCA
2847	ACAGAAAGGTGGGGAGCCTAGCGT
2848	AGGCTTGCGAACATGGGTAGTGAC
2849	GCGTGGGCCTTGCTCCTGTTTAAC
2850	GAATACAGAGCGTCCGATGTGCCC
2851	GCGACTCTGTAGGGAGCGCGATAT
2852	GGTGCACTCATATGCGTCGCATCG
2853	CTGTCCCACGGGGAAACCTTACTT
2854	TGGCTTACTGTCGCAATCTAGGCC
2855	GCACTCAGTTTCCGGTATCCCATG
2856	GTGAGGTTACGTAAGGCACAGCG
2857	GTAACGCCTTTGTCCCCAGCGTAT
2858	GCATTGATATGGTTCGGTCTCGCCT
2859	GTGGGTTTAAGTGACAACGGACGC
2860	CAAAACCCTGCCGAAGATGTTGGT
2861	TCCGAGGAGACTGAACCTGCTACC
2862	CGGGGAAGAACGGATTTCGCTAAAT
2863	TGGTTAGCTTATGTCGGAGCCACC
2864	ACGCGTCGATGAACTAAGGCTCGC
2865	TTCTCCTGACGAGTACGCAGTGGG
2866	TCCGCGGTTGCCGTTTGTAGGA
2867	TGGCGCATCTTTCAGGGGATGATG
2868	TCTTTGGTCCTTGGTGTTTACGCG

5

10

15

20

25

30

35

40

2869	GAGAACTCCCGCTACAAAGGAGCC
2870	TTAACGTGGGAACCGTTGGTGAAT
2871	GGGACACCATCCTTGGGTTTGTTA
2872	CAACAAACCGCCTTGGGAAGTGAC
2873	TTGAAGGCCACCGATACTGATCGC
2874	TCGTAATAGAACTGCGCCCAATGC
2875	GGCACGTTGCCCAAGTTGGATCCA
2876	ACATAGCTTGGCCGGACACCCACC
2877	CTTGCCGCCTTGCGAGTGGCTAAA
2878	AGTTCCGCGTCCTACTTCAACGCT
2879	AATGGCTCGCCAGATACCGCAGCC
2880	CAAAAGGCGTGTCCGAACCTTTCA
2881	CGTCCACTTAGGTGGAGATACGCC
2882	GAGCCTCTTCGTCCTGAAGACCGA
2883	AACATCAAGCGGCAATCTCCCTTC
2884	CGTCCTGACATTATTAGCGCGTGC
2885	TGTGCAGACCCTAACGACCTACGG
2886	TTAGGTCGGCCTAGACCCTCCGTA
2887	TCACATCGCTTAACTGAGCGCATT
2888	AGACCTTCCCACGCGAGATGCTAC
2889	TTCTTGCCAAAATGTGTCCAACCA
2890	CAGTTTTTCATTGCAGCGAAAGCAA
2891	GTGCCGATCCCGAGACAAGTTCCG
2892	CATCCGGCCTCAGTGATTCTTACC
2893	TGCTGGAAGCCACAAACGTTACGT
2894	GAACGGCCAGGGGACAACTATCGT
2895	TCATCTAGGTCGAAGCGCAAGACA
2896	TTTGGTTACCAGCACCCATGTTCC
2897	GACAACAGTCTGTCCGCCACATCC
2898	GCCAACAGGAGATGCTTGCACCAT
2899	CTAAGGACGCATTGACCCCTGAAC
2900	GGTCGCGTAGTGAGTCAGAGGCGT
2901	TTACCTCATGAACCCTTCGCGGCG
2902	TATACAGCATCGTCGCCGGGCATA
2903	GCTTAGTGGCGTCTTCGTCTAGG
2904	TGCACTCCGCAACCTTGTAATC
2905	AACCCGTCATGCCGACTCCATCTA
2906	AGCACTAGTGGCGTGCGACTTTGC
2907	TAAAAAGTGCCGCTAACCACGGAG
2908	CGCGGAATATTTGTCGTCCGATTC
2909	TTCTGCTATGCGTATGGGGGCCCG
2910	CGAACTACTGCGTCAGCCTCTCCC

2911	AGATGACGAATTAGCGGGGTTGGG
2912	AATAACAGTGGCAATGAGCGGGAA
2913	ATATGTTGATTCCCGTGCTGCACA
2914	AGAGTGGGCACCACCAGGCAGACA
2915	AGGCCTGGGTTTCTGCGTCTTAGT
2916	ATGACTTCAGGCACCTCAGCACCT
2917	CGGACGTGACAAACGGACATACCC
2918	CAAGTGTTTCGGCCCAACTCTCGA
2919	GAACCCTTATCGGGATAGGCCCAA
2920	CAGGACGATACCAAGCAGAACGCC
2921	GCGTCTTGTGATTCTGCCCTAACC
2922	AAACAACCATCAATGTCGGGTCCA
2923	TGTAAAGACCAGTTGGCGGCTCTC
2924	GCGTTTTGACTCGGTGGTCAGTCC
2925	TGTATGGAGGCACGGCAAAGTCTT
2926	TTACCTAGGTTCCCGCTGACACGC
2927	CGGCTCGTGGAATCCTCTGAAGA
2928	CCGGCTCGGGCATTCTTGACCT
2929	CAACGATGGAATTGTCTCCTTGGG
2930	CGGGCTATTATCGGGATTATGGGG
2931	ACGTACCTGAAGATGCAACGGCGG
2932	CATGGTGCAGCACGCACAAGTAAC
2933	CGTCGATATGTCGGGCTATTGCCT
2934	AAATGCAGGGTTAAGAGGAGGCC
2935	TGCAAGGACTGATTCTCCCGCTGT
2936	GTTTTCGGAACGCCGCAGAGTTCA
2937	CCCTCGATGGTTCATTGGGAAGAC
2938	CCTGTTGCTCATAATGGTGGGGT
2939	GAAAGAACGATCGCGGAATAGCTG
2940	TCCACCTGTGTGCCTTTATCCTCA
2941	TCCTCCGTGAACCGCTGTAGCGCA
2942	GCCCCAGAGAGTCCCTGCTCCCTA
2943	TTGAGATTTTACGGTTTCCCCGC
2944	CGATAGGACGTGGGCATGTCCCAG
2945	CCCGAACTTTGAGATCCGAGAACA
2946	TCACGCAGCTAGAGTCGCGTTACC
2947	AGATAACGCCCACTGACGACATGC
2948	ACGCTTAGAGCTCCGATGCCGAAT
2949	GGGCGATAACTTAAATTGTGCCGC
2950	AGGACGTTTCATGCGTCTCTTTGCA
2951	CGGCTGGTAGAACTGTGCATCGTA
2952	TTCGAAATGTACTTCCCACGCGGA

5

10

15

20

25

30

35

40

2953	GCAGGTTGGCTGTCTTGTGGAGTC
2954	CGTTTGGTTGCTTCAAGAACCGGT
2955	CATACTTGGTTGTTGTGCCACGC
2956	GGGGTCGGCTGAAGTGTTCATCC
2957	GTGACGGTTGATTAACGACCGTGG
2958	CTTATGGCAGCGCCAGGGGCACTC
2959	GTTAGGGGACCCACCTCGTTTGAT
2960	CAATATAAATGCCGCGCATCGAGT
2961	TTCTTCATCAGCAGTCCCCGAGAA
2962	AGTTGCGTCCCTTGATGGCATTTC
2963	CCGACTTTCGTCCACGATTCTCT
2964	ACTTGGCCGGACGACAGCAAAGAC
2965	CACCGCGGTAGATGTATCCCTTCC
2966	GTTAGCTTTAGCTCGGCACGCCTG
2967	GCGCATAAGAAGGTCCGCTAAAGC
2968	ACATCATCACGCCTGGCGTGACCA
2969	CCGGCGAAGTTTGGTGTGATTAGA
2970	TGGGAAGGCAACATGAAAGTCCTT
2971	TGCACCGCCAGATTGTGCTGAGTC
2972	ACATGTGAAGTGAGTGCCGTCCAA
2973	CCTCTGGAGGGGATTAGCCACGCT
2974	CAATAGCCATGTCACTGGCAACGG
2975	ACCCATGGTTCCAACGTTCTTTCG
2976	AATCTGGTCTTGGCATCCTCCAAA
2977	GTATACCGGTGCATGCTGAAGCAA
2978	AGTGTTCTGGTTCGAGTCGACCCG
2979	CGGGTATTCGACACACACGAGGAC
2980	AGTGCAACAGAGCGCTTGGTCACG
2981	TGCACCTATAGTTTGGTGCCGGTG
2982	TGCTCACGTACCAGGACACTCGAG
2983	AGTCCACACCTCGAACGACAGGCG
2984	CGCCGACCTGGTCAAAGAGCGCTA
2985	GCCTAAGGGCCTGTCGTTTTCCGA
2986	TGTGCGTGCTTATGTTCCGGTCTC
2987	CAACCGTTGGCCGTAACAAAAATC
2988	CGAGAATCAAGGCGTACCATCTCG
2989	GCGTAGGCAGCCTCCAGGGAATGG
2990	GATGGTGTTTTCGCCAAGACCAAT
2991	CAAGCTAGGGACAGAATTGCCAC
2992	TAAATAGGCGAAACCGTTCGTGGC
2993	TCAAGACCCGCAATGTGTTTATGT
2994	GCGGCTGGTAGACTCTTTGCACAA

2995	CAGGCGTAAACCTGAACCAAACGG
2996	GCCGATCTGTGCTGAGGTTCATCA
2997	GATATCGCGTCGCAATATCACGCG
2998	CCCTGCACGATTAAGCCACCTGTA
2999	TGACATACAGATTTGTGTGGCCCC
3000	GTTTGCGGCCGGTATTCACGATGT
3001	TTTTACCTGGCCATTGGTGAGCTC
3002	CTCTACTCAATCAGGGTGGGAGCG
3003	GGGTTGGAGGGAGTCTTGACCATT
3004	CGAGGTCGGTAAGGAAAAGCTTGC
3005	CTTTACGCAGGCACCTCCGAGCTG
3006	CATTGTATGGCCACGTGATTGACG
3007	GTACGGTGCGAGAGCGCCTAAGCG
3008	TTCCATATGCCGAAATGGACACAA
3009	TACGCCTTCCGCTATAGCTCGTGA
3010	CTGGCCGCTCGGCTAGCCATCAAT
3011	CTGTACGCCACGCATGAAGGGTGA
3012	CTTACGCGTCCAATGACTGCCACC
3013	CACATGGTAGAACTCGATCGGCAG
3014	CGCACCGGAACTAGTGGATGTGT
3015	ACTATGGCAACCGACACTTGGTCC
3016	CTAGTTTGCGCTACCCACCTGCAA
3017	TAGTATCGCCCGACAATAGCCTGG
3018	CCAATATTACGGCCTGATCAGCG
3019	ATGGCTATCCCTTACTGGCTCGCC
3020	CAAACTTGGCAGGCTTGGGACTT
3021	AATGACCGAGGCTGCAAGATTGAC
3022	ATCATCTTCGCCACCAGACATGG
3023	CGTTATTACCGATGCACACGTTGC
3024	CACACTGGCAATCGCCTCCCTCGT
3025	AGGTTGGTAGGAAATCGGAGCGCT
3026	GCTGAACCACTGTGGTCAAGATGC
3027	CGTTGAGTACGACACGGTCGAGGT
3028	TTTTTCCGCCGCAATGTGATCTAA
3029	ACAATACCTCGACCGCTCAGCATC
3030	AGTATCCCTGCTGGCATAACGGG
3031	TCTTGGGCTCGGTAGTTCAGCACT
3032	CCCTATATCGAGCCCATAGGGCGA
3033	CACGAGTGGCATCAACGGCCTACT
3034	TGCAGGGTCCGATGTGTTCAAGTA
3035	GCTTGACCGCTGCTAACCTCGTAC
3036	TTTTGCATCTCTCCACCATCCAGA

3037	AGAATGTGCACCGGCTTCCATCTT
3038	TGTTATGACCCGCTCTGTGGCGTG
3039	GGAGCTCCTGTTTCATCGAGGCTA
3040	CATTTTGCTGTTTGGGGTCCCAT
3041	CCCGCTCCTTCACGTGAGACGAGA
3042	GCGCTCAAGTCGATTGCCACAACC
3043	CGGTTGACGGAGACCGCAGTACTT
3044	ACTCAAGACCGGTGCACCTCCAGC
3045	TGGATGTCGAGCGTGTCTGAGTTT
3046	TTTCGTGTGCATGCAAGTAATGGC
3047	GCGGCGTTAGCTCGAGCTAACAAA
3048	GGGTATCCTGCCCGAGCAGTAATT
3049	GGCTCCGAATCTCTTGTCCGGTCT
3050	AGGATGGCCACGCCGAATCAAAGT
3051	GTGCGGGGACGTTTACATAACGAG
3052	ACTTTTGACCTGAGGCCGCTTGCA
3053	ACTCCGCTTCAATGGAGACCGTTG
3054	GATCGGAATTCGCCGCCATATTGA
3055	ATGCGTGCCCATGGAATGACTTTT
3056	CCGCATCGCACGAAGGCAGGTCAT
3057	CACCTATGCGTCTCCAATTCCTG
3058	TGATATGCATCGCTGAGCCTCTGT
3059	AGCTTCACACGCTCACTGAACCTG
3060	AACCCGGAACCTCCTCTCACTCGG
3061	CTCGTCAAACCTTGCCGAGGAGTC
3062	GTAGCTGGCAACAGGCAATCAGGA
3063	CTTGTCACGAATATTCGCCAAGCG
3064	CAGTATCTGAAACACGGGGTGCTG
3065	GGCTAAAATGGGCGCCACGTGTA
3066	ATGAGAGCCAAGCGCCTCAACTCC
3067	TATTGTTAGGCACCGCTTCGCGCT
3068	GGAAGTAGATTGCCAGTGCTCGCC
3069	AGTCGACCCCAAGGCAACTGGGTC
3070	GGTACTGTTAGCTCGACGATGGCC
3071	CCGCAATACTTGACGGTAACAGGG
3072	AATTCGGGTTTGAACGGTTGGAA
3073	GACACGCAATCGGGTCTATGCGAA
3074	GATTTTGGCGTCTCATTGCGTGAT
3075	TGCCATAGGGAGGAAACGCAATTA
3076	GAGGTGCCCATGTTAGTGGTGTCC
3077	GCTTTAGCGGTCATACGACCACCA
3078	CCGCTACCAACAATCCGATTAACG

5

10

15

20

25

30

35

40

3079	CATAGTGGGCTGAAACCCCAGGAA
3080	GAGGATCTGGCCACATCGAGAAAG
3081	CTCGTTTGGTACCACGTTTTGCCG
3082	AATACACGCGGCGTAAACAGACGA
3083	TGTCATGGGCCAAATGACAGTGGC
3084	ACAGCACTTCCGACCCGTGTACGA
3085	CTCCGTAAAGAGCACAGCTTTGCC
3086	ACGAACAGGTAGGGATCGGTCCTC
3087	TGGATCCACCTTACCGCGCCATCG
3088	AGTATCAAATAGCGGCGCGGCAAG
3089	GAATTACATTGTGGATGGAGGCGG
3090	CTCCTCGGGGAGTCGAGGAGTACG
3091	AGTGTGAGCCAACTCCCACCAAT
3092	AAATGACATCCGTTTGGCCACAGC
3093	CGAATCATATCGCCATCGAACTGG
3094	TATAATGCACTCGCTTGGTGCGCA
3095	GCCAAGCAGATGGTAATTATGGCG
3096	CACGCGGGAAGAGCACGTAGAACT
3097	TACCCGAGAATTTGGAGAACAGCG
3098	TGACGGCAAACGTGGCATCTATC
3099	CACAGTGTTCCAGCCCTTGACGAT
3100	TACCCGCCCACACATGAAAGTTGG
3101	TGGCATATTTAAGATTCGGCGACG
3102	ACTGAAAAAAGAACGGGTAGCGGG
3103	TCTGACCGCAATAGGTGGTCATTG
3104	ACTTTTTGGCGGGCCCTCTCTCGT
3105	CTGCCCAGATCATTGCGCGATCCG
3106	CGGAGGTTAAATGCTTTAACCGGC
3107	AGGCGTCTCCAAACGTCTTCTGT
3108	AGATGCTATCCTGAGTGGGCCTGC
3109	ACAGGGTGAAGAGACCGTGGGATG
3110	GACTGTCTAACGGACGACACGACG
3111	AGCTGTTAGGACCCGACAACCGGT
3112	TTGCGTAGTGTGGGCATTTCTCT
3113	ATGCGCGCTTCTTTCTTGATGTA
3114	TTAAGGGCGTCCGCGTCTATTCAG
3115	ACCTTTAACTTGTACCGCGGCCC
3116	AGGGATGCAGAGGCACCACATGTT
3117	CGGTTTCGACGTATGAGCATCCGCA
3118	CAGGGCGATAGTCACATGGAGGTT
3119	GCTTGACTGCCCCGTTTCATATGT
3120	CGAAGGGGTTGTGCAATTACCCGA

3121	AAAACGCACCGCAATGACAAAATT
3122	ATTCCTGGACAAGACCCTCAACCG
3123	CCTACCTGCCTGCTAGCGGTGAGG
3124	GCTCGTAAATGGGGAGGAATTGGA
3125	ACATGAAAACAGGCTCAATTGGGG
3126	GTTCCGCACATGGATTGAGGTCTC
3127	GGCACCCAATACCACGAAGAAGAA
3128	AGGGGCATTTTGAAGTCCATCTTT
3129	CATCATCACAAAGGAACGTCGGTG
3130	TAAAGACCCACCGTCAGCAGCAGC
3131	CCCCAGGCGTAATGCACCACATAG
3132	GCAGGTCGAACGCTAGTG GTT GAA
3133	GGAAGTTAGGAGTTCACGTCGCCA
3134	GCAGATACGGCTAGCTGAGGTGGC
3135	CACAGGCCTAGAGCCTCGGCGTTC
3136	GTTTTGCGCGCATGAGGTTCATTA
3137	TTGCGCCTGATGCCAGCAGTACTA
3138	GATATCAGGCTTTCCCACTGCCGC
3139	TGCGCGGAGACGGAGATCTATGAA
3140	CATTGGTGTTGGCTGAGAGTGGAC
3141	GTCGGCACTTGGGCACCATTAATA
3142	ATCGATCGGTGTCTACCACGGAG
3143	CGTAGCCTTCCACCGTGTCGATAG
3144	CGCTCTCCGTCTGAGGAAAAGGGG
3145	TCGCCCCAGCCAAGGATATATTGC
3146	TCTCTTGCAAGGAACTCTGCCGTC
3147	GTCCTGGACAGACGGAGGGTGTTA
3148	GCCAAATTAAGCGGGCTCGTAATC
3149	CCATTTGTTGACCGATGGGAGGGG
3150	TGGTCAAAAGAGCACGATCCAGGA
3151	CGCTACTAAGACGCCCTGTCCAC
3152	CATACCTCCCGCTTGATTCACTG
3153	CCGCGGAAGGAATGTCATCTACAA
3154	CACGGGACATTCATTCACAGGACG
3155	ACTAGTGAGGCGTGAGGCGGGCGT
3156	AGGAGTCACCCACTCCGCACAAAA
3157	TCATGACAGCGCACCCCATACCAT
3158	GGTAGGGGACTATCGATCGTGCTG
3159	ATGTCTCACTACCGCACGTAGCGG
3160	TACTGCTCCGGTCTTCCGCAGCTT
3161	ACGGAGGAGCGACTCGTTCGCTGC
3162	GAAGTCTGTGCGCCGGTGGACGGAC

5

10

15

20

25

30

35

40

3163	CCGTAACGTGTATTCCGACGAGCG
3164	CGTGGAAGCGACTTAACCAATCGT
3165	GGCATGGGCTATGCCTCACACTAG
3166	GGGTCGTATTTTCAGCATCGTTCGT
3167	AATGGTCGCGCAAACCGTAAGAAT
3168	CTGGATTCCGTACGTCCAACGTTT
3169	CGCAAAAACACCCGTAGCCAAGAA
3170	TATGGATACGCTTTTGGACTGGGC
3171	GCTTCAAACGCGCTTCACGCTGGT
3172	TACAGCCCGCTCTACCTCGCCACC
3173	TCAACCGATGTCAAATGCACGTT
3174	AGTCTCTCCGAAGTAGGGCGGTA
3175	ACGCACACATGGAGACTTGGCTCC
3176	TTCTTGAAAGCTAGTGGGCGGCTA
3177	CAATCACGGCTGGGCTATTCTGTG
3178	GTGGCGACCCGTCGGTGAAAGAGT
3179	CGTCGAATGCCGAACCAGTTAAGT
3180	TGCGTATTTGCATGCTCACAGCTG
3181	CGCAGTTGGTTTGTGCACGGCTGC
3182	GTTTTTCCGTGAAAACCTGGCATCG
3183	ACAGGTTCCCTCCACCACGATTTGA
3184	CTAGCGCGCTTTTAGGTCCTTGCG
3185	CAAAATCAAAGGGATCAACCGGTG
3186	AACGTAACCCCACTGAGTCAGGCA
3187	TCAACCGGTGCACTTTAGAACGCC
3188	ATCGCAAAGTTGCAGGCGAATACT
3189	ATATGTCCCTGGGTGCTGCACAAC
3190	TGGCACTTTGTAGTGCTGCGGTGG
3191	ACGCACGACGTCCTTCTAAGCTCG
3192	CCCACGTGCACTATAGGGATTTCCG
3193	CCGCGCTTGGTCAGTCATCCTTGC
3194	AGCGGCTCAGGGAATAACAACAGG
3195	ACAACGCGATCGGAGGCAACCAGT
3196	AGCAATTGCCTCCGTAGAAACCCA
3197	GAGTCGTGGCATCGCCTGCTATCG
3198	TCTATGCAAATACTGCGCTTGCGA
3199	TCAGCTTAAGTTACGGTGTGGCCG
3200	TCCAAGGTCGAACAGGGATCAGAA
3201	GTTAGGCTGGCGTCAATAGCGCTT
3202	GGTGTGATAAGGAAGAGGGCATCG
3203	CCGGCGGGCTAGATCAATATTTCT
3204	CTAACGTCAAGTTTTACGCCCCGA

3205	GCAGCACAGTTTTCCGATTTGCGG
3206	CGCACGCAAGGGGAGGGATGACTG
3207	CGGGGCCGAAAAGGACGTCACAAG
3208	TTCTCCAACACGGCTAACCGGTAG
3209	TTACAGCCTGGCCCGAGGTAGTTG
3210	TTTCGGGCAGCATGAGTTATCGAA
3211	CTACTGGACGCCCTGCTTCGAAGT
3212	GGTCGTCCGACGTGAAAAGACCAA
3213	GTTTTCGAGCTCTTTCTCCGCAGG
3214	GCGTGAAGGTACCCAGTGTCACAG
3215	TTTCTGAACGCTTCGACGCAACAC
3216	TGCTAATAAGCACGCCTAGCCCGT
3217	AAATTAATTGTGGTGGCTCCGGCG
3218	TTACAATCCTCGGGCTCACTGACA
3219	GCTGAAGGACAAGGCGTGGGCAAC
3220	GGGATAGGAGACCCTCGCAATGGT
3221	TTGCAGTACGTCCTTGCGCATGAA
3222	TTGATCACTGGATTGGGTGCGAAC
3223	TCTGCAGACGTTGCGAGAGATGAT
3224	AGTCTAGCAGGGATCGAAGCGGAT
3225	GGGGTCCCGCAACAATAATGAAG
3226	CAACCTCTTATGTGGTGTGCGCGA
3227	CTCGCTGGGTTGCTGGAGTAGCAC
3228	CGTTGTATTGTGCAACGCGAAGTT
3229	GGGCTCAAAGTGCCTGAGTCGAAA
3230	CTGCTGTGCCCTCTCAGTGAGAGC
3231	CGGACGTA CTGTTCCGAGTCCTCA
3232	GTATACCACCATAACGGGACCGCA
3233	CTGCTGCGAAGGGAGACACGTCCG
3234	AAAGAACGTGGAGGATCCATTGGG
3235	TCGATTGGCTGATCTCCAGCCTAC
3236	CTGCGAATTGGAAGGTTGTTACGG
3237	GCAGGAGGGTCAGGAGTACGTGAG
3238	ACCAACGGAAGGGAACCTAAGGGC
3239	ATGATGGAGGCTGCGTTTTGGTCG
3240	AAGCCCAATTTACCGCTCCGAATA
3241	CTAGGCTGTGCGGGACTAGAGGTG
3242	TGCCATCTGACCTGGTGATTGCGT
3243	GTCGTCAACTTTTATCGCGCACCT
3244	TTGAATGTAGGCTGCTGCAAGCGC
3245	CACCTATCGTGGCCTCTGTCCCAG
3246	GGAGCGCCCAGTATAATGAACGTG

3247	AATGGGGGTTCTTAGGGTGCCGTA
3248	GCCATGAGGAAAAGCACTGGGTCT
3249	TCCGGGTCGTACTGTGTATGATCG
3250	GGAGGTTATGTGCTGCTGATGACG
3251	CTTCAGCCGTGAATGGTGTGAAAG
3252	CTTCAAGGGCTTCGTCTGCTCGTG
3253	TCAGGGGTCACGCATTGGGTTTCA
3254	ACGGTCCTCGCATAATGGACCACT
3255	AGGCGTAAACGCCGGTCATAGTCT
3256	GATCTGGTCGGAAAACAGGAGCGC
3257	CCCATCGATGTTATTTCCGACGCA
3258	TGTTTCTCCGCATCAGTACCGCAT
3259	CGGACCCGGATCGACAAGTAGTCA
3260	AGCCAGAGCATGAACTGGAGCGTC
3261	TGGAGTTTACATCGGAACGCAGGG
3262	TCGACCACCGGTACGATACAATCA
3263	GCTTGTGGAATTCCGACGGTTCCA
3264	CACATCCACCCTACTGAGGCACAA
3265	GCCGGATGAATCTGCCTCGCTACA
3266	GGTTGCAATTACGCCGGGATTAAA
3267	ATTTCTCGCAAATCGTCTGGGTG
3268	GCTCCTACGCCATGTGCACGTTTA
3269	AGGGTTGTGAAACATGGGGGTGA
3270	ACGCGACCTGCTGTCAGCGTGGTG
3271	CGCCTAACTAGGGGAGTGAACGGA
3272	GTTGACCTCCGATTTGCTCACGA
3273	TACCTCCGTCATTCACTCTTCCCG
3274	GGCGTTCCACATGTAATTGGGTCT
3275	CGCATCACGATCGTTAGGAGGGAG
3276	GGGCATTAAGCACGCACTTCGTCA
3277	TTTCCATAATTCGACACCACGCGG
3278	GACCATGAGATGCTTTTCTTGCGC
3279	CGCGGTCGTCCTCAGAGAATGTTG
3280	TGCTGTGACGATGGCTCCTACCCG
3281	GGCGAATGCTTCTTCGCATCAAGT
3282	AAATGCACAGCGGAAGTACCACA
3283	TATCGACCTGGAACACGATCGGTT
3284	CATTGAAGTCATGAAGCCTGGTGG
3285	CTTTCAACCGTAGTGGCTTGGGCA
3286	CCGGTAAGGTCGAATTGGAGCCTA
3287	GGATTGAAAAATCGCCGGAAGATC
3288	TGAAATTGTGAGGGAGCCTTAGCG

3289	AGCGGGATCCCAGAGTTTCGAAAA
3290	CGAGTGTCAGTGGTCGGTTGCTCA
3291	GCAGCATCCGTTCCCCTATAGTGG
3292	GTATTCCTGACCGGCTGAGTGTCG
3293	GCAGCGTATGGGGTTAGCCAATGA
3294	CGCCCTGGTGGAGTTGTATGATGA
3295	AGGTAGACTGCCCCGCGGCAGAGCA
3296	ATGCGTGAGGAACTGACTTCGGAC
3297	ACGGGAGAGGACATGCATTTTCAA
3298	ATTCATGCAGGAAGTCCGAGGGAA
3299	AGCTCTCTCCGAAGTAGGGCGGTA
3300	TGGCCACATGATTGGAGCTCCAA
3301	GCCCTTTGCTTGCAATTGATTGATC
3302	AGGAGATTCTTCGGCTCATCTCGC
3303	GCAGCTCCGCCAACGAACTTATAG
3304	TGGGTCAGCTTCGGCCAGGCTGAT
3305	ACGCTCAGCGTGCGCTAGATACGA
3306	GCAACGAGAGCGAACGGTTAACTC
3307	GAACACAAACAGAGGTCGTCAGCG
3308	CGTGCGTTAGCGTCGGCGTATGTT
3309	GTGCTAGCCGAAAGTAGCGTGCGA
3310	CGCGGAGGTTTGCAAGTTGTTAAC
3311	TACTGCCCGGCCTGAAATGACTTA
3312	CATGCGCACATGAGGGTCACCTTT
3313	CTCGGGTTCTGAAAGCGATGCTTC
3314	GGCACACAACGAAGGCTGATGATA
3315	GGAGGCCGAGTAACCTTGAGGGTC
3316	ATTCCTATCGCGCGTGCTTCTAGC
3317	TTGCCGGTGTGTTTCGTGAGCTGTT
3318	TTATGGGAATCTACAAAGGGCCGG
3319	GGGTGATCCAAAATCCACGGAGGC
3320	GCGAGATGAGCAAATTGTATCCCG
3321	CCTGCACACATCATGTCTCAATGC
3322	GGCAGCGTAGGGATTTCTAGGGG
3323	AGAGATTGCTCCTATGTCGGCAGC
3324	CCAATACCCTGGTGACCACTCCAA
3325	GACGTCTGTTATGTCGTCGCAAGG
3326	CCACAACGTCGAAATGACCTACCA
3327	CTTGGTGGCATGCATGCCTTGCCC
3328	TACGTTCGCCCAGCGTGGAATAAA
3329	GGAAGAGAAAACCGACAGTCGCGA
3330	GACGAACAAGAATTTGGGGCAACC

3331	CGTGCCCGCGAGTTCATGGTGCTA
3332	AAGAGAAACCCTTTCCGGAGCTCA
3333	TTTTAAATCTGCCGCCCTTCCATG
3334	TCTGAAGCAATTTGGCCTCCTCAA
3335	GATGCGCAAGAGGGTATTATGGGC
3336	GTGAAAATCTCGCAACTTCCTGGC
3337	ACGGGAAGCGGTGAATTGTTGGTA
3338	GCCCTACTATTGCCTTGGAATGA
3339	GTAAATGGCAGGAAGCGGCTCTCG
3340	AGGTGCCAAATAGTGGACTGCGGT
3341	TCGGATGGTAGGAGGCGAGATCGG
3342	GAGGTGAAGGAACAGCGACGCTAA
3343	ACCGTCGTTACCGCTCTGGTGTCTG
3344	TTCCAATGTCCGACATGCTATGCC
3345	CGGCTTTATAGGTCCAACATGGCG
3346	CCGGCCTGGAAAGCAGAGTTATTG
3347	TTTATCGTTCAACGCTCACGTCCC
3348	AGACCCGCTGAACGGAGCTTGGAT
3349	ATCCATCAGGAGAAAGCTGGCTCA
3350	TTGCCAATGCGTAAATCGGTTCTC
3351	GCTTGGCAGAAGGCGTACACTAGG
3352	AGGCTCCAATGCTTTAGCCGCAA
3353	GATACTAGGAGCGAGCCCCTTTGG
3354	GTCGTGTGCAGCCGCATATGGAGG
3355	TACCCCTGTTGCGGATAGATGTCTG
3356	TAGGGTAACAGAATGAGGGGCGCT
3357	ATCGTGTGCGGGATCGAATTTGAG
3358	ATCTCTCGTGCGGTCTTGCAGAAG
3359	AGAAGCCACATGTTAGTGCGGGAG
3360	ATCTGCGTTAACTGTCCCGACTGG
3361	CGCTCACAACGAGCTTACTCATGG
3362	TCTACGCTACGATCCGTTGCATCA
3363	TTTAACACCGAAATGGGAGCGTCC
3364	ACAGGGCGTAGTAGGCCGCTTTCC
3365	GTCGACCGTGTTTGTGGGGGATAT
3366	AGAAGACCTTGGCAATCCGAGTCA
3367	TTGGGTGCTTAAATGCGGTCTGA
3368	AGCGAAGTCGTATTGACGTGCGGT
3369	ACTTTCAGCTCCCAGTAGCACGCA
3370	GCGCATGGTGAGTCCGTATTGCCG
3371	GGGTCGTGTCAGAGGACAAACACC
3372	ACAAGAGGACCTCCGGGTGAAAAT

3373	TAGCGGGGACCTATCCGCCTCAGT
3374	GCTCTATGCCATGTCCGTGGATT
3375	AGCTCATAATGCGCGTTGACCCCG
3376	ACAGTGGAAACGTTTCATGCCGAG
3377	GGTTTCGACGAAAAGGATGGTCTG
3378	GCGGTACGTATTCTAACCCGACGG
3379	GGTATTCGCCATGCTTGGTCTCTG
3380	GAGCCTCTCCGATTCTGGCCCAGA
3381	TGGAACGTAATACGAACGCCGAAC
3382	GGCAGAAGTGGAAGTGAAGCTCGAT
3383	CGGGTAGGCCTTCAGGGTACAGGT
3384	AGCGATCTTGGACGCCGGCACGAT
3385	GACCAGGTTGGTACAACGCCTTGG
3386	GATGTGCTACAGGACCGCCTACGC
3387	TGAGGCGCACTCATTAGGAGGTGT
3388	CACCTTACATCCCGAATCCGCGTA
3389	CCAAACATAAGGTGTGTCGGTCCA
3390	GCGTTTGCTAATGGTTGCGATTGC
3391	CCCTTGCCCTCAATCTGTATTGCA
3392	ATAGTCCCGTGGCGACTGTGATCC
3393	GAAGTTCCCGGCCCGAGTAACATA
3394	GGGAGCCACGACAGAGCTCCTAGG
3395	CTGACTCTTACGAAGCGCACTCGC
3396	AGGTATAGCGGGGCGTCTAGCAAA
3397	TAAGACGCATTGCTTGGACCATCC
3398	GCCTAGTAGGCCACGGCTTCATGC
3399	CGTGCCCTAGCATACAACGTTGGG
3400	GGGAATGCGGCAGTCTGTCTACCT
3401	GTTGAAATACTGGCCCCGCGGGAC
3402	CGGACAGGTGAACCCAGTCACCTT
3403	CAACAGCCCGCTCCTTGGATATAA
3404	TTAAAGGAATCAGGGGGACCCGCC
3405	CGGGTTGTAACGCTGTTGGACGAA
3406	GGTACGCAGCGGGACCAATAGAAA
3407	ACTGCAAGCCTCTTAGTTCTGCG
3408	TCAATACCACCCAGAACTGGGCG
3409	GGCAGTTGACACTCATCGACCATC
3410	TAGCACGGCCATAAGACGGTTGAA
3411	TCCACAATGTCAGCTCACTGCAAA
3412	CAGGCGGAGGGGTTTTACATCCTA
3413	AGGGCACTCGAAGATCCGACGGGC
3414	CGCAATGCCTTTTGCTGTGGTAAT

3415	AGAAACGCAGACGTGGCGTTTTGT
3416	TGAGCACGAATGTGGAACAGTCAA
3417	CTCGTTTCCATGGGGTAACCGACT
3418	CCTCATAGCTACGGGTGGACGACG
3419	GTACGCCGTGTATCACCCCATTCA
3420	ACCCATAGTTCGTGATAGCGCGA
3421	TCTGCAGTGTTGCCCTCCGACGC
3422	TGCACATGCACTAATAGGTGCGC
3423	CAGCGCAGTGCCTTACCAATATGA
3424	TTACGCGCCGAAAACACCTGAACA
3425	CTCCCTCGCTTTATATAGGCGGCG
3426	GTCGGACCCCGAGAGTCCTGTTAA
3427	ATCGACGAACAGGGCCTCCGGCTT
3428	TGGTTTTTCACCTCCGTCCTCAAG
3429	GGAGGGGGCCAACTCCTTGACTTG
3430	TCCTGTCTCGGCCTTTGGGAAGTT
3431	CAAGCCATTACCGCTAGCTGAAA
3432	CGCAACCGACATTATATTTGCGCC
3433	TTGAGGGCGACTGCAACACACAGG
3434	GCTCGAGTAACACGGTTGACCCGA
3435	CAGCCCTAGCGCCACGGTAAAATC
3436	GTCATTAGCGACTTACCGCCGTA
3437	CCCAGTGGCCGGCCCTAGATAATA
3438	CATTCCGTATGCTACTCGCGAACA
3439	AAGTTTTAACGCTCAAGGGGGCCT
3440	TTGGCGGTTTCGGTACAGGATCCT
3441	TACTGCGATGATGGGGATTTGACA
3442	CGGTGAGCGAAGATCATCCCCTTA
3443	ATGCAAGTCACCGACCGGCACCTC
3444	CAAGTGCCGCAATTGGCCTTTTAT
3445	CCCGTGGTGGATACCTGGGTAAGC
3446	CCGTCAGGGTCTAAGGACCAGGGT
3447	CTTTCCGTAGGCGGTGATTTCAA
3448	GCTGAACTGAGATGGTATCCGGC
3449	CCAACGAGACAGCATGAAGCTCCT
3450	ATAAGTTCGTGGGCCGGCAAGGTC
3451	GTGGCCAGGCCATAACTGGTCACT
3452	CGCTTAGCGCGAGACTCTGAGGGC
3453	AAGAGCGGCGCCCTAGAACCCAAC
3454	CCACGGGAACGTCTACGAAATGAT
3455	AGTCGTGTATCAGGTGCCGAGAGG
3456	TGAAGCGGCTGGCGATAAGTAGAT

3457	CTGAGGACGTGCGGTTTCATGCTGA
3458	GAAGGCGTTTCGGAAAGTTTTTCGT
3459	AAGAAAACCACGGCTGAGACCTGA
3460	TCAGCCGCTGTTGCAGGGAGAAAA
3461	TTCTGGAATGGATCGGATAGGCA
3462	GGGAAATGGTCTTGTGGCGACCA
3463	GGTGTCTGAAGCCACGATGTATCCC
3464	CCCCGACTCCCTTCGGGCATAAGT
3465	CCAAATGCGATAACGCAGCGTGAT
3466	GCTCGCCAACGTACGAGGCTCAGA
3467	GGCTTATCAGTCGCCACCAGAGAC
3468	GATGTGACCCATCCATTCTGGGA
3469	TCCTGGTTTGGTATCCCCGAATCA
3470	CGCCCCGTATATAGCCGGTAAGAG
3471	GGTTCACGTGAACGATCGCGGCAC
3472	CCGGTATAGAGGAAACCCGGACGT
3473	CCTCCCAGGAGATCCTACGCAATT
3474	TGAAACTCGTCACGCTCCTTGCAG
3475	TGTTGCGTAACCACCAACCCTCCT
3476	GCAGCGCAACCTTGTACTTCTTGC
3477	CGCAAGTGGGAGCCCAAGAGTTTG
3478	TGCAGGGTAACGAGGGTAAGTGGG
3479	GAAGTGTAGGGTCTCGCCGGTCAA
3480	CGAGATGTCCAGCAGCGGTTGTTA
3481	TTGTGGTTGCTCCGGGTAAAAGGA
3482	TCTACGCATCCCTGGGTAATTTGC
3483	AGAAGCTGCGAGTCACCGTGACTC
3484	GGGCGGTGTTGAAGGGCTCTATAC
3485	TTCCACAACGGGTGAGTAGGACGG
3486	GCAGCCAGACTGGCCTACCGATCG
3487	CCCGCCGAGTTGGTTGGCTAAACA
3488	GCTAGGGTGGTCCTTTCAGTGGGT
3489	CGTGAATCTCCTTCTTTTCGGCAG
3490	ACTGCCCATGGGCCACTAGGCTTG
3491	GGCGTACGAAAAGGCCAATCACTT
3492	ACTTGTGGTCGACAACGATGTGGC
3493	CCACCACCCCTGACCCGAAAAAAT
3494	TGTTGTGCATCACAACATCAGGCC
3495	GACCACCCGGTAAAGAGGGATGGT
3496	GCCACCCCTGAAGCACTCGTTATG
3497	GCTACCAGTTGGAAGACGGGTTC
3498	CAACGTTTCGCATCCACAGTTGTA

3499	TATCGGGTCGTAATGGGCAAAGAG
3500	TCGGTGTGATTGATGGATAACGCC
3501	AGAGGTCGAGAGCCCGATAACCTG
3502	GTAGTTAGGCGCGGCCCTGGCTCA
3503	TGATTCTCGATGTCACGCCGAACA
3504	GATGGTTCGCCCTTGTGTGCGCAGC
3505	GCGCAGTTACGTCCATTGTCCAC
3506	CCGCCTGATTTAACAAGCCAAGGT
3507	GACCAAGTGCAGGCGTCAGTCTGG
3508	CAAAAAAGCAATTGCCCCTGGACG
3509	ACTGACCTTCTCGCTCTCTCCGTG
3510	CTCGCCGTGTATCGCTAACCCTCT
3511	CGGCATTTTTACATGCTGTGTTG
3512	ACGTAACGCCTGATGGGGTACACC
3513	CCCTGTGACCGTGGGAGACACACA
3514	GCGCATACTCTGGGTAGTCGGCAC
3515	TCCCCTGCCCATCTCTGAGTTAGG
3516	TGCAGCGCTAACATAGCGGGTGCA
3517	GCAGCGTCCACAGGAAACCGCAGC
3518	AGCGTACCATCGATGGGGATTCTGA
3519	TGGCCTCGCGATCACCACGATGTT
3520	TTGGTAATCACTCGGCCAGCGCTA
3521	CGTTAGTAACGATCGTCGGTGCAA
3522	AATCGCAGATGGTTCGTGGCACAA
3523	TAAAGCGTCTAGAGGCCGGCTGTG
3524	TGGCTAAACGAACTGGGAATCGG
3525	CCTATGCAGCCACTGGTGTCTTC
3526	ACGTGAGATCCAAGGGTGGCTCCT
3527	TAAACGCCAAAAACCACGAGCAGG
3528	CCATGGAATGGAAAGCATTGGACG
3529	ATGATCCCTGGGCTTAGTCGCCTT
3530	ACCGTATGCCTCAACAGAGTGGCT
3531	CCACCAAATCGCATAAGCTCCACC
3532	TCTCAGTTTAATCCCGTGATCGGG
3533	AAAGGACTACGCCCATCGCTCACA
3534	CGGGAAGAAAGGCCTAAAGCTTTG
3535	TTTTGGACATTTTTCTGCATCGGG
3536	GCAGGGGTCTTTTCCACGGTAAT
3537	TCAAATAGGGCGTAGGCAAGCTTG
3538	ATGAAGTTCCATCCTGTCCGGGCC
3539	AGAATGATTAAGCGCAAACGCAGC
3540	GGCAGCAGAGAGTGGCCTAGTTCC

5

10

15

20

25

30

35

40

3541	GTGCAGAGCCGGCCTTATGTAAGA
3542	CATACGGGTATGGCGATGGTTACC
3543	AAGAACAGGAACCGCTGACAAGGA
3544	GATGTGTGTCGCGTCCTTAAGGGC
3545	TATCCATGTAAGGCTCCTGAGGCG
3546	AGTTTTTTCCTAAACGATCCGCGC
3547	CTGACCGGACGACCCAGAATGTAT
3548	GCATGTGGTCAAAGCTTGTGCGATG
3549	CAGAAGTGCATGGGTTCCGGATGAA
3550	ATAGCGTACCGGAGGGCTTACCAG
3551	AAGACTTGGCGCTTGTGGGTAAGG
3552	TATTGTGGCGCCTCACGCGCAATC
3553	TCGGCCATGGGATTTCAAAAGTC
3554	TGGTCGGTGCCGTTTCACCTTTAC
3555	CATTTCCGCGGGCAGGAGAAAAGAT
3556	CCTGAGTCGCGATACGACTCAACA
3557	AGGTGTACCGCCGTCGGGTTATAC
3558	TCCTTGTACGAGCCAAGCCTGGGT
3559	AGAAGCCCGAAGTCCCGTGTAGAC
3560	AGAGGGGGCCCTTAGGCAAATACGT
3561	ATGCGGCAACATCCGATCGTAGAT
3562	CGCAGTGGGCAGTAAAGACAGAGG
3563	TCGGGTAGTGCAAACCTCAATCGT
3564	TCTTCACTGTGGTGGACTTGGGG
3565	GTCCCAGGGCGATTGGTACTAAGG
3566	GGTAGATCCAGCCATTGGGACCTC
3567	GGGGATTGTGCGCTCCAAGGACCC
3568	CTCTGTCCTAGACTGAGCCGTCGC
3569	CGATGAACAAATGAGTGCGTGTGA
3570	GAGGTCGAGCTGCCTGAGAGGAGT
3571	CAGTGGGACTGCTAACGTGGGTCA
3572	GAGTCGCTCGAGGAACTACGGCCG
3573	CGGCTACGGAATGATGCAGGATGG
3574	TCGCTCTCGCTATGGCAATTCTGG
3575	TGAATCACGGCCCTCTCTGGTACA
3576	CAGGTGCCATCGAGCGCTTTAGTG
3577	TGGGAAAATCGAAATCGTCAGGAA
3578	CGGGGAGGAAGATGTTCCAGCGGT
3579	TGTGGACCGGTGGTCACGTCTTTT
3580	GCACGTCTCGCAATCTGCGATCAG
3581	CCTAATGCCGTATCAGCGACCAGA
3582	ATAACGCGGGTGAAGGATTCTGTCT

3583	TTCAACCTTGTGGGGCGTCCCACT
3584	CTACTTCCAAATCTCCGCGTCGGT
3585	AGCGAACGCACTGCCAGTGGATAC
3586	GAAAGTGGCGGCGAGGAAAAACAC
3587	CAGGGGGCGCATATTTGACAGATT
3588	TAACTCGCTGCCCTCAACTCAGGG
3589	TCGATTGTTGGGTCTACCGTGGTT
3590	GCTGGGATTAGTGCCGGGTAACCG
3591	TGGTTGCAACATCGCGCTATTACG
3592	GGGCGTGCTTTGAGCTGAAGCGTG
3593	ATGTTGAGGTTAGTCCCCGACCGT
3594	GACCGCGTAGTTAGCAATGTTGCG
3595	CCAACCCACTGACATCGATGGAAA
3596	TGCTGCTATTGTCGCACCGATATG
3597	TACAAAGAATCGGGACCTGCGACT
3598	GCGCCTCATCCCGCATCGAATTAT
3599	CGAGGGATTTTGACCACTGGATGA
3600	TGATAGGCATACGCGGAGAAGTCC
3601	CGAGTTGTCAACGGCCATCGAATT
3602	CCCGCACCGGATTATTAACGAACC
3603	TCGTCCTTGGGTCCCATGTAGAAA
3604	TCACGAAGCATCTTTGCGACGTAA
3605	TGTAAGTTGCCAACTTTGCGGGTT
3606	GCACACCACCGGCAGATATCAAGA
3607	GTGTGGTTTGTGAATGCGTGGTGA
3608	CAGCTGCGGCCCCACCTTCGATAC
3609	CAGCGAAGGACGACTACTGTGCAC
3610	CAGCAGTTCGTTGCTTCCTGATTG
3611	AAACAATGGAGTGTACCTCCCGCA
3612	ACTATACGAGCATCATGAGCCGGC
3613	CTTGATAAGGTGGGATTCCGGGCA
3614	TTTAGTAGAACGCTGCGCGCGGTG
3615	AACTGACGTTGAATAAAACCGGCG
3616	GCTTTGTTCTACCGCGGATCATCA
3617	TGATATGCAGCGGCTCGGCCTTAT
3618	CGGGAGTGCGTTTATGTCCATGAT
3619	CAAATACCGGGAACGGATCGAAGC
3620	GATCAAGCCGAATGCTTTGCAAAG
3621	AGAGAGGATGCGCTCCGGTTAGAG
3622	CTTAGTCAGCATACCCGCGGGCAG
3623	GTGTCTCGGGGCGCAGGACCTGTA
3624	AACGCTCCACTGCCGTGATTCACT

3625	GATCGTTGAGTCATCCCGTGGAGT
3626	CCTGGCCGGGTGCAATACTACAGT
3627	CGTAGCCCGAACGTAAGGGTCAGC
3628	CTGTGGCTTCAAGAGGATCCGTTG
3629	CTTGGGTCGGTGTAATGTCCTCGA
3630	GCCGTTGTGCGCTATTCTTACGGA
3631	TCGCACGATGGCTAGAACGAGTAA
3632	ATTTGTTGCAATGGGATGGCTCTG
3633	CGAATATCCGCTCGAACCTGACAA
3634	AAGTGGCGTGCGTCATAGCGCGAC
3635	TGATGTCCCTCCACACCGTGAAC
3636	CAAATGAAGTCGGGGCCAATATTG
3637	GATGCATAGCGTGATTCCGGTGTA
3638	GTGACCGTAGAAGCTCACCAGGGC
3639	ATAAGGACATATTCGGCCTGGGGA
3640	AGATCTCACAACCGGAACCGGACG
3641	GTTGCGTTTGGGGGCGTCATACAA
3642	TGTGAGGTTTTCTAAGGCGAACG
3643	CATCTTGTTTTGCGAACGAACTCA
3644	TTCCTGTCACAGATTCGTGGCCTT
3645	AACTTACCGATCCCTGAACGTGCA
3646	CCTATTCTGGACATGCGGCCACAT
3647	GTCGATGGGGAGCTCCAGTTGCAT
3648	CGACCGTGAGGGTCCATACGTAGA
3649	TCTCGTTTGCACGCAACTGGGCCA
3650	ACTCCGCCGAATGAAGGAATAGCT
3651	CCTCGACCTGGCGTGATGGAAGGC
3652	TAACAGCCGTTTTGCGGTTACAA
3653	GCCTCCTGCAGTACGGTGTCTGTT
3654	GGCAGTCGGTCCCACTTAGTTCTGA
3655	TAATCCACGGCTTTGGTGGAAGTC
3656	CGGTGCAAGATCCTGGTTGTGTGA
3657	TTTCACCACTACCTTAGGTCGGCG
3658	CATCCCGTACCGGGAGGACAAGTC
3659	ACGAGGTAAAGGGATCCGTGCTGG
3660	CTAATAGTTTGGCAGAGGGGCGCT
3661	AGCATGGTAACCCTGAGCCAGCAG
3662	GGAATCCTTGTGGGAACAGCCGAT
3663	CTGATGTGGGAAAGAGGGTGGGAC
3664	ACTTTTTGCAATCCCGGCGTTGTA
3665	GCGATGACGTGACGAGTTCTCACC
3666	CCAGGTATTGAGCCCCGCCATATA

5

10

15

20

25

30

35

40

3667	TTGGACGTCCTCCGAATATTGGCA
3668	GGTAAGTGCGGGAAGTACGCTGAC
3669	CCGCCTGAACCGTCGTAGGGATTA
3670	CGTTTTTGAGTAAGGATTGGGCGA
3671	TGTGGTATTGAGGCATAGGTGGCA
3672	TCCGGAAGGAAGGCGCGATATGGC
3673	GTTGAGCGAATCGGACGGCTTTAC
3674	TGAGTCTCCGAACGACAAGCGATC
3675	AGTGAAGAGGGAGAGTCCAACCCG
3676	GTGAAGCCTGACGAATCCAACGTG
3677	GTGCAGGCCTGTATCCCCATGACT
3678	GTGGGTTTCCTACACACCGGATGA
3679	GCGCCGTCGACTCTCTTCAGCTGC
3680	CTAGGCCTGCCATCACTGAGCAAT
3681	TTGGTGATGACTCATGGCCAGACC
3682	TATCTCCCGCGGGGTATATTACCG
3683	CCGAGGGACACGTATCCCTGTTCCG
3684	TATCCCGCAGCACGCATTTCGATCT
3685	TGATGATAGAGCAGGGTGCCGTCA
3686	GTAGGAGCACACATTTCGGATTCGG
3687	CCCTTACTACGCCCAGCCCTTTTG
3688	GTACCAGGGGGTGTGCTCCAAGGG
3689	TGACCAGGCGGACCAGACGGTTTT
3690	CGTAAGCGGCGGTAGGTGTGCTAC
3691	CGCGGGGAGGGATCAGCAGTTTTG
3692	AAAGCGTATCCAGAAAGGCCATGG
3693	AAGAAGAGACGCATGCTTGGACGT
3694	TGGCCATTTGCGGGAGGTGGCTTA
3695	AACGCCGAATTGAGGAGGCGGTTA
3696	GCCTCATTACGACATTGGCAGCAT
3697	TCGAACGCGATTTTGGAATGCCC
3698	AGGAATTCTAGCCGAAAGCCCTGC
3699	TCCGCTGGTTGGGTGCTCTGGTTG
3700	GTCGCGCTCCGTCCGATAGTATGA
3701	TGTGCAAGGACGGATGATTGCACT
3702	GGACAAGCGGCAACCTGGGAGAAG
3703	ATGCGGTGGCTACGGACTAATCCA
3704	TGCACGCAGGTGGAAAGCAGGCTT
3705	AGATTGTGGGAGTTGTCACGCTCC
3706	AACAGCAGTGAGGGCTGAAGCTTG
3707	CTGCCTGTTTCCTTCACGCTCCAT
3708	CCAATCCACTTGAGTCAACTTGCG

3709	CATTCTACCGCCCAACTTTTGCAA
3710	CGGAGAACCATGCTGAGCAGTCCA
3711	GA CTGTTCTCCAGAAAGGCGCAT
3712	AAATAATTGCTCCACGCGAAGCGC
3713	GGGCCTGGAAGACCAACCAAATAC
3714	ACGACGCGAGCACGTAGATATCAA
3715	TACGGGATCCTCGTGGCTACATCT
3716	CAAAGTCTCCCCGACCGAGTTGAC
3717	CCCGAGGCGAAGATCTCTAGGCAC
3718	CAAAATTCTCGCCACGAGACCCTA
3719	CTGTGCGCATTCCAAACACATCAC
3720	CATGGAAATGCCAGCTGCCTCCAT
3721	CGCGAAACCACAGTCCTCGTCGGG
3722	GTCCGCAGCTGTCCCGACATTGGT
3723	GTCTCATTGGGACGATCGTCTCGA
3724	AGAGCGTTGCATGCTTGGCTGCGG
3725	CTTCCGCCCCTGTTGCAATGAGG
3726	TTGCGGTTCATACCGAAGCCAACA
3727	TGCGCGAGAATCGTTCGTACGACG
3728	TGTATACCGTAGGCGTCCGTGGGG
3729	TGCGGGGTATAGGGCTTCCTTATG
3730	ATCCCAGCCCAAGCAGCAGACGCA
3731	GTTCTTGGCCACAGGAATGGCCGT
3732	CACATGGGCATTAATTGCTACGGC
3733	ATAAGTCGGTCTGCCTGGCAATGA
3734	ACCTCGAGGCTGAGAACGTCAAAA
3735	GCGGAACGCTAGCCCCTTATGGTT
3736	TGCGAGGCTCCTGGAGCAATCCAA
3737	ACAGAAGGGCGATCGCTCTGGCTG
3738	GGTTGGCAAGGGGCCAGCTCCTAC
3739	ATCGCTTCGCTCTATGGAGTCCGA
3740	CGTCCCGATAGGCCGCCTTGATCT
3741	GAATTCTGAGGCGGCATTGTCCAC
3742	CAGCCCATCAGTATCGGCTGCGTA
3743	TGGAGAGTCGGATCCGTAGCGTCA
3744	TGGATCCAGTGCGAGTCTTGGCCG
3745	ATGCGGTCGTGCTTGAATCCTCT
3746	ATCGCACTGCCGCGTCATAACAGC
3747	CACGTCTCCGCCGGAACACAACCTG
3748	AAGACAGTGGGTGAACGCACGGTA
3749	ACGCGCATAGGTGGTCAAACATCG
3750	CCCGGCGGTAGAAATTGACAACCT

5

10

15

20

25

30

35

40

3751	AAGGGATACTCAGGCGCCTGTTTT
3752	CTTCTCTCTTGTGCGGGCTCCCGT
3753	TTGAAGGGACCTGCCAAATGGCGA
3754	ACGCATGACGACGTCCAGTACGGG
3755	AAATGGATGTTACGCCGGCAAGCT
3756	TCGTGCGAGGCCTCTTCGGCATAAC
3757	TACATCGCGTCGAGTCATTCTTGG
3758	TCACACCACATAATGGCACCACGT
3759	CAGGTTACGCGTTGAGGAGTGCGA
3760	GGTGTACACCGCTTCGTTGTCCT
3761	ACAATAATAAGGGAGCATCGGCCG
3762	TCGGGTCCTATGATCCAGTCCCAA
3763	ACCCATTCCTCCTGCGGCGATCAA
3764	TCGCAGGTGTAGACGGACGAAAAG
3765	CTCTTGCGTAGTAATCGGCCCGCA
3766	TTCCGTGTCACGCGAGCCTGCTTT
3767	ACTCTAAGTAGGGCTGGGTCGCGA
3768	TTGGTGGCTGTAAAGGTGCTTGGC
3769	CCGAATTACCCATTCATACGGCAC
3770	GATGGATAGGTTGCTTCCCGCAA
3771	ATGACGGAAAGAATGTGATTCGGC
3772	ACGGTTCGGCTTCTGTTAGTCACG
3773	GGATCCCGTAATTGAGGCGGCCAC
3774	ACCCGTTAAGTCGACGCCTGCGGG
3775	TTCGATGTGAACGGTTGGCCAACC
3776	TCGATCGGGAGTCTACCGCCATGT
3777	AGCAACGAGTTTATGAGCGCAGGA
3778	TGGGAAACGAATGGGTGGCGGTTG
3779	TCTGTGTTGCCCCACCTACAGCAA
3780	CCTGCATTGGATGTACCCGCGGGT
3781	GAACGAGGTCCGGGTTTGCATCTC
3782	GGCGCCGAAGCAGAACGACCATAT
3783	AGGCATCACGCATCAGGTAATTGG
3784	TTTACAAAAGCATCGGCCCTGGGA
3785	CCCAGGCGGTCAACCAATTGTAGA
3786	CTGCAGCACGTGCCTGAAATTCGT
3787	CCGTTTTGCTCCAGCTATGAGCGT
3788	ATTTGTGCCGCATTGGGGTTATTC
3789	TAAGCAGAAAGCCGCAACTCCGGT
3790	GCGACTGATATAGTGCTCGGACCG
3791	AACTCTATTCTGACACCGCCCGAA
3792	GTGCGCTCCAAGAAGAAACACACC

3793	ACGACCAGCGGTCTGAGATCTAGG
3794	ATCCCCTCCTCAGGTCGACGCTGT
3795	TGACATACGCGTCACCCAGCACAG
3796	TAACCGCGACTCTGACTCCCTTGT
3797	AAGCGGTTTGATCTGTGCAATCGG
3798	CTGTCAACTCGGTCGTCCGCACAG
3799	AACTTTGCCGTTTAGGGCAGGTGA
3800	GCTGAAGAACTCCCAATTCGCTGG
3801	AAGATGCGATGGGTCAGTCCTCGT
3802	ACCCACCTCTGAAGGTTGAGACGG
3803	AGGCTACGCACCCTCGAGAGTGAC
3804	CGGTCACGAACGTGGTCCAGTTTT
3805	CAAAGCAACGCGCGCCACTTAAAA
3806	ACGAGGAAGGAACTGATCCCCAGT
3807	TTCGCCACTATGGGCTCAGCATT
3808	CGCTCGGCAGAGGAGTCCACTCAC
3809	TGTTGGCAGACTCCGTCCATGAA
3810	TGCCTACCCGGTGATTGCGACATC
3811	CAACGGTCGGATCTGAGGAGATCT
3812	CGTTACGAAGCGAAGTTCCCGAGT
3813	AGTGACGGCCAAAGTCGCCATTCT
3814	ATTCAGCTGGGCATAGGCGATGGG
3815	TAGGACAGCGTGGCTGGCTACACA
3816	AATTTGTCCAGCTCTGCACGACCG
3817	TGAGTGGGCTGTGATCCGTTCCAC
3818	TGTGGTGACACGCCAGAGCTGGTT
3819	CCTCACAGGTGTGAGAGGAGCCGC
3820	AGTCCCGCTTCTGCAAATTCGGAA
3821	TCTGCGCCTACCCGTAAGCTGAAC
3822	GCCTCCTGAGTTGATTCATGCATG
3823	CCTAACGGTTGGTTCGCCGTTTTT
3824	TCGCAAACCCACGAATGAGTCCCG
3825	AGTGCTAAGGTGGGCGAGCAGAGG
3826	CTGGAGACTGCGATGGCAGGGTTG
3827	AAGGGATAGTGATGGCGATGGACG
3828	CTATCCACGGTGATGTCCGCCATT
3829	CGGACTAGAACTTGCCAAGCACGA
3830	AGAGCCGGATGGCATTGCATGAAC
3831	AGTTGGCTAGCGGTCGAATGAGCA
3832	GCATGCGGTCACCGCTTCATCTAA
3833	GTGAGATTCCAAGCTCGCCGGTGA
3834	GCCATCCACCGCACAAATGAACGCT

3835	GGGTGGTCCTCACTGTGGTTGGCA
3836	AGGCGGCTACGACGAGCGTCGTTA
3837	GCCAAGTGATCGTGCTTCCGCGTA
3838	TAGCCGTTTATTCCCTTGATGCGC
3839	ACTATGTGGGACGAGCGTCTGCGA
3840	GCACCTTCGAGAACCCATCAGATG
3841	ATTTTCTGTACCGATGCTCACCGG
3842	CACTGGAGCAATAAATGGCCAGGC
3843	GGGTTACGTATCTCATGGATGCG
3844	GCACGCTCCCAGTATGCTCCTTCA
3845	GAAGGGACTTAGTCCGCGGCCCTC
3846	TTCGTTACCCTAAGGGCGTTTGCA
3847	GTTCCAGGTCACGACGAGCTGCGC
3848	TCGTACGTAGTCACACCGCGACTT
3849	GGGCTGGAGTAGCGGTCTGCTATG
3850	TAGCGGCACTCGTGTTGCGAGTGG
3851	ACGTTGGGTTCTGACACGGCGATT
3852	TGTTGCTGCGCCCCAAGTGATCTT
3853	CCCAGGTCGTTACGGTGCATCACA
3854	CCTAGTGCACAGGCAAATCGGGCT
3855	GGCGTTCTCCAAGATAAGGCCAAA
3856	ACTTCGATACCGTGGACCTCGCCA
3857	CTGAGCGCGCTAAACGTCCCTAGC
3858	ATCAGATAAACGATCCGACGCGTC
3859	CATGGCTGAATTTGTGACCCTCT
3860	CGAAAGCGAGCAAATAGAATCCCC
3861	AGATTGCCCTGCGGCAGGTTGAAT
3862	AAGAGGCGGCCGATCAGTTAGAAA
3863	CTGATGCCTGTAAGGAGGCGCTCG
3864	AATCGCGAGGTTTCGGCAGACAAAG
3865	CGTTGGGACACGGACCGTTCACTC
3866	AGATGTGTGCACTCGCGGTCAATT
3867	CAACTCGAGTGGCGGTAACATCTG
3868	ACCAAGGTTGCGATTACGGGAAGC
3869	CGAAGCGGTAGACGGCTCGCGTTA
3870	TCTCGGAACAGGAGGGAAGGCGT
3871	GTCCCGATTTGCGCTGTGAGGAAA
3872	TACCACGCGTCGGCACGGAAATGG
3873	AAATGCTACCCGATTGCGCGGGAT
3874	TCGATTCAAGTTTGTGCTGCGGAG
3875	CCATCTCATCCCACTATGGCATGC
3876	CTGGCCCGTGTTTGGTTGAGTCGA

3877	GACACACACGTTGCAGGGCTTCCC
3878	TCGAATCGAGTCGATCGTGAAGGT
3879	GAAAGCACTCGATCGCGTTGGATT
3880	AATTACGCGAACATGGGGCGTCAA
3881	GTGCTAACACTGTGGTCGTTCCCA
3882	GGTAAGCGCCAGCCAGGAGTTGTC
3883	GGCGATCGTTCAGGAATCGCGTCA
3884	CTGGCTAGACCTCCGACACAGGCT
3885	CGGGTTAAACGCCAACTGGCCTAG
3886	ATCGCAGCCTGGCCGCCTAGTTTT
3887	GGCGTAGCCTAGCAAATTATGCCA
3888	ATGACGCGACGGAGACAATACGGC
3889	GTTGCATCACGAAAATGCCGTCTT
3890	GAGTCATGCGTTCCTCGCTTTACC
3891	TCTGAACCGGTTATCCCCAACCTC
3892	TGCCTCTGGTAGGCGCCCAGTTAC
3893	CTGACGGTTTTTCATTGGCGTGCC
3894	TGAACACGAGCAACACTCCAACGC
3895	CGGCGCGCGAAAGACTTGAAC TTG
3896	GCTACGAGTACCCGTCGGAAACGC
3897	ATACCCAACAGCATGGAGCGACCA
3898	ATCGCATCGCATCGTATTCACGGG
3899	CGGCCTAGAGGTGCGAAAGCTATC
3900	TAACGCTTTTCCGAGGCCGATTCT
3901	TCTGTCCTAGCACGCCGACCTGCT
3902	CTCATCGTTCAGTCGGTCGTCGTA
3903	TCGTCGAGCAGATAGCGGGGTAGG
3904	TCGACCACAGTCAGGACACTACCG
3905	TGCGATTCTATGATGTCCGAACGC
3906	CAAATGCAATGGCAAGCACTCACC
3907	TCTAATCCATCGTTTTTTGGGCGA
3908	TCTCAACTCCGGTACGACGAAACA
3909	CTGAAGAGGGTAGCCTGGGAGCGG
3910	GGCACAATTAAAACGCGCCGCGTT
3911	CAAAGGAGGGTCAAAGGCCAGAAA
3912	TTTGCGGCCGTGACGAGCAAAAAT
3913	AGGAATGTGCGTGGCACCTGTGGA
3914	TCGTGATGACTGCCTTCCGAATCA
3915	CACGTCGACATGTTTGGTACCTCG
3916	TTGCGGTAGTTTGGTTACCACCGT
3917	GCAGTGGCGACAAATACAGCTGAG
3918	ACGGCATGATGGAGGGATAAACGT

3919	TGGGATAATCCGCAAGCGCATAGC
3920	CCTAGCTCTGCTGCGTCTTTGCGC
3921	TCCTGGAAGTCTGAAGGCGACTT
3922	CGAAGGCGGCATGGTGTAGTCTCC
3923	AACATTGTTCCCATCCCAGAGCAC
3924	CCAGGCAAGAAACAACCACGCGCT
3925	AAATCCACAGGCGCGCCAAAGCTG
3926	GCTCACCGCAGACTCCGCGCGATA
3927	TAGGTGGCGAGAGAGCGCCACAA
3928	GGCGTTGGTGTGTGCGGACCATGA
3929	TCTGAATGCTTCCGTGCTTTCTGT
3930	ACGCTCTGGACCTCGCTCATTCTGA
3931	TCCTTTATGCGCAGCGCTCGTGTT
3932	TTGCCGTCTGCAGCAGGTAGCTC
3933	GGTCTAGTGGCAGCAAGGAGCGAT
3934	GGTAACGCGACCAGCTTAGACACC
3935	GTGGCGATTGGCTTCTATGCATA
3936	TCAAATACGGCCAGGAAGGGCAA
3937	TGCCATGCAGTCAGGTACGATGGT
3938	ACAGGTTACGTCGTGTGTTCCCGT
3939	CTCATGACGAACGAGCGGTCTGCA
3940	GTCGTGCGAGAGGCCAAGACCTTA
3941	GCTGGCTGACGCTGTTGTCAGAGG
3942	GCTACAGTGCTGCGTCCCGTGCCCT
3943	TTTACGAGCACCAAGCTGGCGTAG
3944	ACGAGTTGACGGTCGTAGGGACCG
3945	TCGGATGGTAGGAGGCGAGATCGG
3946	ATTATGCAGATCCTGTGCATCCGC
3947	AGGGATGGAGACGAAGGAAGCATT
3948	ACCCCAGGACCCGTATTCCCTAGC
3949	GCACCATCCTGGGGCTTCTCAATG
3950	TACAATCCGTGGACGTTTGCTCAG
3951	GGTAGGCGAATCCGACTGGCATAG
3952	AGGACCGAACCCATGTGCAGCATC
3953	ATACACCGCACAGAAGCACAGCTG
3954	TCCTTGGCGGCCGTGTGTTTATTG
3955	CTCCACGCGAAGGGCGCTTGTAAC
3956	TGGCCCTGCCATCCTCGGATTCAG
3957	TGTCTATTGCGCAGCGTGAGCATC
3958	TGTTGTTGGCACGCCTCTACGGCA
3959	GTGCCTCAACCGTATCGTGGCGGT
3960	TCCTCGAAGTAGCGTGACCGAACC

3961	AAACAATTTCTGCACTCTCGGCC
3962	CACAAACTCGTCGAGGCACACAGT
3963	GACGAAACGCTCGGCAGAAAGCCT
3964	TCAACTCACACGGGACAGCAGTTC
3965	TCACGTGGATGGGCTTAGCTGGGC
3966	AGGTGTTTGTTCGACTGGCCACA
3967	TCAACCCTCTATTCCCGAGCATTG
3968	ACCTCACACAAGCGTTCTCGTCGA
3969	AACAGCATGCGGTCGCTGGCTTTC
3970	CACGGACACGTGTTACATCCGATG
3971	CTGGGAGCCTGCTGATACATGGTG
3972	CGTCCTATGGGCCATGGCCAGGAT
3973	GTCCCCAAATCTCGCTTTACAGGC
3974	TCACAAACCTGTGCGTGCATTGTC
3975	CACACTCGTGGCCTGCGTTGGGAA
3976	GCCTGCACTTACGGCTATCTCGCC
3977	TTGGCGTGGCGATTACCTGTTATT
3978	TTTGCGGCTGAAGTTTACAGGGTG
3979	CACTTAAGGGGCTGACCGAGCAAC
3980	AGAAAACGTCAATCCGCCACCTTT
3981	AACAAAACGGCGCTCCAACAAACG
3982	GCCTCAATATCTGGTTGCCGCCTG
3983	TTCCACAGTCAATGATGGGCGTGC
3984	GATTCCCAGTCTACCCGCGAGCAT
3985	AGGCCAATTACGACCCTGTCACGG
3986	CATGCGAACGTTCCGAGGAGACGG
3987	CACACGCGATGGGTTGTGTGACGC
3988	TCCGGTATTGCGCAGGAACCATAG
3989	AAGATTAGGTGTGCCCCGCCTCAGG
3990	TCGTTACGCCCCGACTCGACGATG
3991	ACTAAAATCGCCAGGTTGCTCCCT
3992	AGGATGGCCACGCCGAATCAAAGT
3993	TGATGAAGCAGCTCATCGCTGGCG
3994	CCCCGATGGGTCTTTGTTGGA CT
3995	ACACGAGGGCTGCTGGTGAGGGCT
3996	TGGTCACCAATTTGATGATCCGAG
3997	AAGGCCGCTTGCATGCGACAAATT
3998	CCAGTGTTTCGTTTCATCGGTGGCGT
3999	CCGACCGCTACATAGGTGTGCGAA
4000	TGTTGAAGCCGTTCCCAGATGACA

TABLE 2

Seq. ID No.	Decoder Sequence (5'-3')	Probe Sequence (5'-3')
1	TTCGCCGTCTGTAGGCTTTTCAA	TTGAAAAGCCTACACGACGGCGAA
2	TTCGAAGCGCACGTCCCTTTTCAA	TTGAAAAGGGACGTGCGCTTCGAA
3	AACGCGTGGGGAATGGGACATCAA	TTGATGTCCCATTCACCGCGTT
4	CCGTCGCATACCGGCTACGATCAA	TTGATCGTAGCCGGTATGCGACGG
5	ATGGCCGTGCTGGGGACAAGTCAA	TTGACTTGTCCCAGCACGGCCAT
6	TTGCAACGGGCTGGTCAACGTCAA	TTGACGTTGACCAGCCCGTTGCAA
7	CGCATAGGTTGCCGATTTTCGTCAA	TTGACGAAATCGGCAACCTATGCG
8	CCGTTTTCGGTCTGCTTGTCTCAA	TTGAGCAAGGACGACCGCAAACGG
9	TTCGCTTTCGTGGCTGCACTTCAA	TTGAAGTGCAGCCACGAAAGCGAA
10	GTCCAACGCGCAACTCCGATTCAA	TTGAATCGGAGTTGCGCGTTGGAC
11	TTGCCGCACCGTCCGTCTATCTCAA	TTGAGATGACGGACGGTGCGGCAA
12	CATCGTCCCTTTCGATGGGATCAA	TTGATCCCATCGAAAGGGACGATG
13	GCACGGGAGCTGACGACGTGTCAA	TTGACACGTCGTCAGCTCCCGTGC
14	AGACGCACCGCAACAGGCTGTCAA	TTGACAGCCTGTTGCGGTGCGTCT
15	CGTGTAGGGGTCCCGTGTGTCAA	TTGACAGCACGGGACCCCTACACG
16	CATCGCTGCAAGTACCGCACTCAA	TTGAGTGCGGTACTTGACGCGATG
17	GGCTGGTTTCGGCCCGAAAGCTTAG	CTAAGCTTTCGGGCCGAACCAGCC
18	GTTCCCAGTGAAGCTGCGATCTGG	CCAGATCGCAGCTTCACTGGGAAC
19	TACTTGGCATGGAATCCCTTACGC	GCGTAAGGGATTCCATGCCAAGTA
20	ACTAGCATATTTACGGGCACCGGC	GCCGGTGCCCTGAAATATGCTAGT
21	GAACGGTCAATGAACCCGCTGTGA	TCACAGCGGGTTCATTGACCGTTC
22	GCGGCCCTTGTTCAATATGAATCG	CGATTCATATTGAACCAAGGCCGC
23	GATCGTTAGAGGGACCTTGCCCGA	TCGGGCAAGGTCCCTCTAACGATC
24	TGGACCTAGTCCGGCAGTGACGAA	TTGCTCACTGCCGGACTAGGTCCA
25	ATAAACTACCCAGGACGGGCGGAA	TTCCGCCCGTCCTGGGTAGTTTAT
26	CATCGGTTTCGCGCCAATCCAGATA	TATCTGGATTGGCGCGAACCAGATG
27	GTCGGGCATAGAGCCGACCACCT	AGGGTGGTCGGCTCTATGCCCGAC
28	CTTGGGTCATGATTCACCGTGCTA	TAGCACGGTGAATCATGACCCAAG
29	TGCCTAACGTGCTAATCAGCAGCG	CGCTGCTGATTAGCACGTTAGGCA
30	CGCATGTTGGAGCATATGCCCTGA	TCAGGGCATATGCTCCAACATGCG
31	AGCCACTGCATCAGTGCTGTTCAA	TTGAACAGCACTGATGCAGTGGCT
32	GGTTGTTTTGAGGCGTCCCACACT	AGTGTGGGACGCCTCAAACAACC
33	TCGACCAAGAGCAAGGGCGGACCA	TGGTCCGCCCTTGCTCTTGGTCGA
34	GACATCGCTATTGCGCATGGATCA	TGATCCATGCGCAATAGCGATGTC
35	GAAATACGAAGTCTGCGGGAGTCG	CGACTCCCGCAGACTTCGTATTTTC
36	TGTCATGAATGATTGATCGCGCGA	TCGCGCGATCAATCATTATGACA
37	ATATCGGGATTTCGTTCCCGGTGAA	TTCACCGGGAACGAATCCCGATAT

5

10

15

20

25

30

35

40

T04200" 00T04000

38	GCGAGCGTACCGAAGGGCCTAGAA	TTCTAGGCCCTTCGGTACGCTCGC
39	TTACCGGCAGCGGACTTCCGAATT	AATTCGGAAGTCCGCTGCCGGTAA
40	GTAATCGAGAGCTGCGCGCCGTCT	AGACGGCGCGCAGCTCTCGATTAC
41	CCTGTTAGCGTAGGCGAGTCGATC	GATCGACTCGCCTACGCTAACAGG
42	TAGCGGACCGGCAGAATGAGTTCC	GGAAGTCATTCTGCCGGTCCGCTA
43	GGTACATGCACTACGCGCACTCGG	CCGAGTGCGCGTAGTGCATGTACC
44	AATTCATCTCGGACTCCCGCGGTA	TACCGCGGGAGTCCGAGATGAATT
45	GCCAAATCTGGATTGGCAGGAATG	CATTCTGCCAATCCAGATTTGGC
46	TGCATTTTCGGTTGAGGCACATCC	GGATGTGCCTCAACCGAAAATGCA
47	CCGCTCAATTCACCATGCTTCGCT	AGCGAAGCATGGTGAATTGAGCGG
48	CTCGGAAAGGTGCAACTTTGGTGT	ACACCAAAGTTGCACCTTTCCGAG
49	AATTCGACCAGCAGAACGTCCCAT	ATGGGACGTTCTGCTGGTCTGAATT
50	GCCAGAGTCTCAACCTCACGGGAT	ATCCCGTGAGGTTGAGACTCTGGC
51	CCAACAACCTGGAACGGGAACCCGC	GCGGGTTCCCGTTCCAGTTGTTGG
52	GAGAACTGATCGCTGAGGGGCATG	CATGCCCTCAGCGATCAGTTCTC
53	GGCACACTAGACTTGTGGCACCGA	TCGGTGCCACAAGTCTAGTGTGCC
54	TCACATCCAAATATGGTCCGCGAA	TTCGCGGACCATATTTGGATGTGA
55	GTCTGCCGGTGTGACCGCTTCATT	AATGAAGCGGTCACACCGGCAGAC
56	CATCGCAGAGCATAAACACCCTCA	TGAGGGTGTTTATGCTCTGCGATG
57	GTTGGTATCTATGGCAGAGGCGGA	TCCGCCTCTGCCATAGATACCAAC
58	ACGAGGTGCCGCTGAGGTTCCATT	AATGGAACCTCAGCGGCACCTCGT
59	GGAATGAGTGGACCCAGGCACATT	AATGTGCCTGGGTCCACTCATTCC
60	TGTCAATATGCGTCCGTGTCGTCT	AGACGACACGGACGCATATTGACA
61	TGATGAGCCTCAGGGTACGAGGCA	TGCCTCGTACCCTGAGGCTCATCA
62	CACCGCGGTGTTCTACAGAATGA	TCATTCTGTAGGAACACCGCGGTG
63	TTGTTGCCAATGGTGTCCGCTCGG	CCGAGCGGACACCATTGGCAACAA
64	TTAACCTGCGTCTGCCCCTTTCCT	AGGAAAGGGGCAGACGCAGGTTAA
65	AGGCGCGTTTCTGCCTTAGTGACG	CGTCACTAAGGCAGGAACGCGCCT
66	TAGGGCGATGGCACGAAGCTTCAA	TTGAAGCTTCGTGCCATCGCCCTA
67	TGCATAGAGCCAAAGTCGGCGATG	CATCGCCGACTTTGGCTCTATGCA
68	TTGAGAGGCAGGTGGCCACACGGA	TCCGTGTGGCCACCTGCCTCTCAA
69	TCCGCATTGTGAGAAAAACGAGC	GCTCGTTTTTCTCACAATGCGGA
70	GGCGGTTTCCGTAGCTATAGGTGC	GCACCTATAGCTACGGAAACCGCC
71	GGTGAAAATTTCTAGCCACGGGC	GCCCGTGGCTACGAAATTTTACC
72	CCGACGGAGGATGAAGACAATCAC	GTGATTGTCTTCATCCTCCGTCGG
73	CCAGTTTGGCCCAATTCGCCAAAA	TTTTGGCGAATTGGGCCAAACTGG
74	GGATCTATTAGGCCGTGCGCACAG	CTGTGCGCACGGCCTAATAGATCC
75	CGGATGTCACCGTTTGGACTTTCA	TGAAAGTCCAAACGGTGACATCCG
76	ATCGCAAATCCTGCTCGTCCCTAA	TTAGGGACGAGCAGGATTTGCGAT
77	CAGGGCATGCAATAATCGAGGTTT	GAACCTCGATTATTGCATGCCCTG
78	CATGCGTTGATATATGGGCCCAAG	CTTGGGCCCATATATCAACGCATG

5

10

15

20

25

30

35

40

79	CAGCTGCAGCTTGTGACCAACCAC	GTGGTTGGTCACAAGCTGCAGCTG
80	TTGTATGTCTGCCGACCGGCGACC	GGTCGCCGGTCGGCAGACATACAA
81	GATGGCGCCCGTTGATAGGTATGG	CCATACCTATCAACGGGCGCCATC
82	ATGAGAATCGCCGGCAATCTGCTA	TAGCAGATTGCCGGCGATTCTCAT
83	ATTTGCACTGACCGCAGGCTCGTG	CACGAGCCTGCGGTCAGTGCAAAT
84	CAGGGAGAACGGTTAAGTTCCCGT	ACGGGAACCTAACCGTTCTCCCTG
85	AGGCCGGCGATCGAGGAGTTTGGT	ACCAAACCTCCTCGATCGCCGGCCT
86	ACACGGTGGTCTCTGATAGCGACC	GGTCGCTATCAGAGACCACCGTGT
87	GTGCAACGCCGAGGACTTCCATCA	TGATGGAAGTCCTCGGCGTTGCAC
88	TCGGTGCCTGATAGCCATTCCGAT	ATCGGAATGGCTATCAGGCACCGA
89	TGAAATACCACACAGCCAATTGGC	GCCAATTGGCTGTGTGGTATTTCA
90	GCATCGTGTACATGACTGCCGCGA	TCGCGGCAGTCATGTACACGATGC
91	CAGTGTCTAACGGCGCGCGTGAA	TTACGCGCGCCGTTAGAACACTG
92	CGCTTGCAACGTTGCACCTACTCT	AGAGTAGGTGCAACGTTGCAAGCG
93	CGAAAACTAGTGGGCTCGCCGCG	CGCGGCGAGCCCACTAGTTTTTCG
94	CTTTCAGGGGAAC TGCCGGAGTCG	CGACTCCGGCAGTTCCCCTGAAAG
95	TTGTGGCCTTCTTGTAAGGCACG	CGTGCCTTTACAAGAAGGCCACAA
96	TCCACGAACGGCGACCCGTTGTCT	AGACAACGGGTCGCCGTTCTGTGA
97	CGACCTTGACGAAACCTAACGAG	CTCGTTAGGTTTCGTGCAAGGTCG
98	GTGCAGCTTCACGAGCCAGCCTGA	TCAGGCTGGCTCGTGAAGCTGCAC
99	CGCTTTCGTGCGAATAGACGATGA	TCATCGTCTATTGCGACGAAAGCG
100	TGCGCTTACAGGCTCCTAGTGGTC	GACCACTAGGAGCCTGTAAGCGCA
101	CACGCGCTTAGTCGCGATCGCATA	TATGCGATCGCGACTAAGCGCGTG
102	CGGAGGGAGGGAGCTAGCCTTCGA	TCGAAGGCTAGCTCCCTCCCTCCG
103	GCATCCGGCCTGTTGATGACGCCT	AGGCGTCATCAACAGGCCGGATGC
104	AGGCCAATCGATCTTATTGCCGAG	CTCGGCAATAAGATCGATTGGCCT
105	CCTTCCAATGATTGCATACGCCCA	TGGCGGTATGCAATCATTGGAAGG
106	AACACTTGATCAGGCGGGTCGTCT	AGACGACCCGCCTGATCAAGTGTT
107	TGGAATCAAGGCCGTAAAGGACAG	CTGTCCTTTACGGCCTTGATTCCA
108	GCTCCCGTAACCTGTCCACCAGTG	CACTGGTGGACAGGTTACGGGAGC
109	AGTGGTGAATGGCCGCTACCCTGA	TCAGGGTAGCGGCCATTCACCACT
110	TGTTGAAGCGAGCTAAAACGGCCA	TGGCCGTTTTAGCTCGCTTCAACA
111	CAGCGCTCCAGAATTGACAGCAAT	ATTGCTGTCAATTCTGGAGCGCTG
112	AAGGTGGTGCCATTCATTTGGCTA	TAGCCAAATGAATGGCACCACCTT
113	CGTTAAACCGCAATCCGTTTCGGCT	AGCCGAACGGATTGCGGTTTAACG
114	CACGAGATACCGGCGTAAGGGTGG	CCACCCTTACGCCGGTATCTCGTG
115	CTACGGCAAACGTGTGGAATGGGT	ACCCATTCCACACGTTTGCCGTAG
116	GTAGGGCGATGACGGGCGAACTAC	GTAGTTCGCCCCTCATCGCCCTAC
117	AATCGACCTCCGCACACATTCGCA	TGCGAATGTGTGCGGAGGTCGATT
118	GAGTCAGCATGGCGGCGGAGATTC	GAATCTCCGCCGCCATGCTGACTC
119	AGATAAAGACGCTGGCAACACGGG	CCCGTGTTGCCAGCGTCTTTATCT

5

10

15

20

25

30

35

40

120	GGTACCTCAACGCGAACCACCTTGT	ACAAGTGGTTTCGCGTTGAGGTACC
121	AAGCGATGGCTACCCAAGAGCGAT	ATCGCTCTTGGGTAGCCATCGCTT
122	AGAGCTTATGCAGAACCAGGCGCC	GGCGCCTGGTTCTGCATAAGCTCT
123	ATCGGTCTCACGCAGGGTTGGATA	TATCCAACCCTGCGTGAGACCGAT
124	TAGGTTGCCCGCCAGAAGAAACAT	ATGTTTCTTCTGGCGGGCAACCTA
125	CGGTGCTGTTGCAAAAGCCTGTAG	CTACAGGCTTTTGCAACAGCACCG
126	TGATGAAAGTTTGCGGCAGGACAC	GTGTCCTGCCGCAAACCTTTCATCA
127	GTTGAGTGCAGGATGCAGCGATAG	CTATCGCTGCATCCTGCACTCAAC
128	AACATTGCGCGGTCCACCAGGGTT	AACCCTGGTGGACCGCGCAATGTT
129	GGGCAGTTAGAGAGGGCCAGAAGT	ACTTCTGGCCCTCTCTAACTGCCC
130	TCGAGCTGGTCCCCGTGAACGTGT	ACACGTTACAGGGGACCAGCTCGA
131	GTCTTGGGGGCCGCTTAGTGAAAA	TTTTCACTAAGCGGCCCCCAAGAC
132	ACTGTTGGCTTGCTCTCATGTCCA	TGGACATGAGAGCAAGCCAACAGT
133	AGGACCATTGGAAGGCGAAGATA	TATCTTCGCCTTCCGAATGGTCCT
134	CTTGGGAGGCATCCGCTATAAGGA	TCCTTATAGCGGATGCCTCCCAAG
135	AATAAACGGAACGCACCGCTACAG	CTGTAGCGGTGCGTTCCGTTTATT
136	TTGTACGTGCGGTCCCCATAAGCA	TGCTTATGGGGACCGCACGTACAA
137	CGCACCAAAGTGAAGTTTCCAGAC	GTCTGGGAAACTCAGTTTGGTGCG
138	ACCTGATCGTTCCCCTATTGGGAA	TTCCAATAGGGGAACGATCAGGT
139	GGAACAGAGGCGAGGGGACTGAGC	GCTCAGTCCCCTCGCTCTGTTCC
140	CCCTGCCTTGGCGTGTGCGGCTTAT	ATAAGCCGACACGCCAAGGCAGGG
141	ACTCTGACACGCCAACTCCGGAAG	CTTCCGGAGTTGGCGTGTGAGAGT
142	CTGACGGTTTTTCATTGCGCGTGCC	GGCACGCCGAATGAAAACCGTCAG
143	TGCGGTGGTTCATTGGAGCTGGCC	GGCCAGCTCCAATGAACCACCGCA
144	GCATGGCCAACTAGTGACTCGCAA	TTGCGAGTCACTAGTTGGCCATGC
145	AGGCCGTAAAGCGAATCTCACCTG	CAGGTGAGATTCGCTTTACGGCCT
146	CGAATATTATGCCGAGAATCCGCG	CGCGGATTCTCGGCATAATATTCG
147	ACAGACGAGCTCCCAACCACATGA	TCATGTGGTTGGGAGCTCGTCTGT
148	GGACGGTTTGTGCTGGATTGTCTG	CAGACAATCCAGCACAAACCGTCC
149	AAAGGCTATTGAGTTGTTGGGCG	CGCCCAOCCAACTCAATAGCCTTT
150	GATGGCCTATTCGGAGATCGGGCC	GGCCCGATCTCCGAATAGGCCATC
151	GATCCAGTAGGCAGCTTCATCCCA	TGGGATGAAGCTGCCTACTGGATC
152	AATAACTCGCGCGGGTATGCTTCT	AGAAGCATACCCGCGCGAGTTATT
153	GGAGGAGGTTTGTCTCGGAAAGCA	TGCTTTCCGAGACAAACCTCCTCC
154	CTTTGGTATGGACATGCTGCCCG	CGGGCAGCATGTGCCATACCAAAG
155	AGAAAGGCTCGAGCAACGGGAACT	AGTTCCCGTTGCTCGAGCCTTTCT
156	AATCTACCGCACTGGTCCGCAAGT	ACTTGCGGACCAGTGCGGTAGATT
157	CGTGGCGGCCACAGTTTTTGGAGG	CCTCCAAAACTGTGGCCGCCACG
158	TTGCAGTTCAATCCATACGCACGT	ACGTGCGTATGGATTGAACTGCAA
159	GGCCCAAAGCCCCAGACCATTTTA	TAAAATGGTCTGGGGCTTTGGGCC
160	CGCCTGTCTTTGTCTCCGGACAAT	ATTGTCCGGAGACAAAGACAGGCG

5

10

15

20

25

30

35

40

161	TGAGGCAACAGGGGCCAAAACTA	TAGTTTTTGCCCCCTGTTGCCTCA
162	AGCGGAAGTAGTCCTCGGCTCGTC	GACGAGCCGAGGACTACTTCCGCT
163	GGCCCCAAGGCTTAGAGATAGTGG	CCACTATCTCTAAGCCTTGGGGCC
164	GCACGTGAAGTTTAACCGCGATTTC	GAATCGCGGTAAACTTCACGTGC
165	AGCGGCAGAAACGTTTCTTGACGG	CCGTCAAGGAACGTTTCTGCCGCT
166	TCGTGAGCAGACGAGATTGCACG	CGTGCAATCTCGTCTGCTCGACGA
167	TCTTTGCCGCGTAACGACTGCTT	AAGCAGTCAGTTACGCGGCAAAGA
168	TTTATGTGCCAAGGGTTAACCGA	TCGGTTAACCCCTTGGCACATAAA
169	TGTTACTGTGGTTCACGGCAGTCC	GGACTGCCGTGAACCACAGTAACA
170	CGCGCCTCGCTAGACCTTTTATTG	CAATAAAAGGTCTAGCGAGGCGCG
171	ACAAATGCGTGAGAGCTCCCAACT	AGTTGGGAGCTCTCACGCATTTGT
172	CGCGCAGATTATAGACCCGAATGT	ACATTCGGGTCTATAATCTGCGCG
173	CAAATAACGCCGCTGAATCGGCGT	ACGCCGATTCAGCGGCGTTATTTG
174	CCTTCGTGCATCGGTGATGATGTT	AACATCATCACCGATGCACGAAGG
175	TGAACACGAGCAACACTCCAACGC	GCGTTGGAGTGTTGCTCGTGTTCA
176	CAGCAGATCCTTCGTAGCGGTCGT	ACGACCGCTACGAAGGATCTGCTG
177	GGAACCTGGTGAGTTGTGCCTCAT	ATGAGGCACAACCTACCAGGTTCC
178	TCATAAGCGACAATCGCGGGCTTA	TAAGCCCGCGATTGTGCTTATGA
179	CCCAACGTCACTGAAGCTCACAGT	ACTGTGAGCTTCAGTGACGTTGGG
180	TGTCAGAGCCCGCGACTCAGACGG	CCGTCTGAGTCGCGGGCTCTGACA
181	TACACGAAGCCTCTCCGTGGTCCA	TGGACCACGGAGAGGCTTCGTGTA
182	CTCAGAAGTCCTCGGCGAACTGGG	CCCAGTTCGCCGAGGACTTCTGAG
183	ATCCTTTTATCTACTCCGCGGCGA	TCGCCGCGGAGTAGATAAAAGGAT
184	AGGCGTGACGCAACAGGATAAACC	GGTTTATCCTGTTGCTGCACGCCT
185	ACTCTCGAGGGAGTCTCTGGCACA	TGTGCCAGAGACTCCCTCGAGAGT
186	TTGCCAGGTCCATCGAGACCTGTT	AACAGGTCTCGATGGACCTGGCAA
187	TCCACTATAACTGCGGGTCCGTGT	ACACGGACCCGACGTTATAGTGGA
188	GCCCAGTCGGCTCTAACAAGTTTCG	CGAACTTGTTAGAGCCGACTGGGC
189	CGGAACGGATAATCGGCGTCAGGT	ACCTGACGCCGATTATCCGTTCCG
190	TAAAATAAGCGCCTGGCGGGAGGA	TCCTCCCGCCAGGCGCTTATTTTA
191	GCGCACTCGTGAAACCTTTCTCGC	GCGAGAAAGGTTTCACGAGTGCGC
192	AGTTTGCCAGGTACTGGCAAGTGC	GCACTTGCCAGTACCTGGCAAAC
193	ACAACGAGGGATGTCCAGCGGCAT	ATGCCGCTGGACATCCCTCGTTGT
194	TTCGCAGCACCCGCTAGGTACAGT	ACTGTACCTAGCGGGTGCTGCGAA
195	TAACCCGATTTTTCGCACTCTGCC	GGCAGAGTCGAAAAATCGGGTTA
196	CGTCGCATTGCAAGCGTAGGCTTG	CAAGCCTACGCTTGCAATGCGACG
197	GAGCTGACGTCACCATCAGAGGAA	TTCCTCTGATGGTGACGTCAGCTC
198	GGAGGCTGGGGGTCGCGCTTAAGT	ACTTAAGCGCGACCCCCAGCCTCC
199	TTGTGGGAACCGCACTAGCTGGCT	AGCCAGCTAGTGCGGTTCCACAA
200	CCCTCGCACTGTGTTACCCCTCTT	AAGAGGGTGAACACAGTGCGAGGG
201	TCATTGACTCGAATCCGCACAACG	CGTTGTGCGGATTCGAGTCAATGA

202	ACAGGGGTTGGCCTTCGTACGTAC	GTACGTACGAAGGCCAACCCCTGT
203	AGGCCGTGCAACATCACACAGGAT	ATCCTGTGTGATGTTGCACGGCCT
204	GGGCCGTGGTCACGTAATATTGGC	GCCAATATTACGTGACCACGGCCC
205	GCGCGGACATGAAACGACAAGGCC	GGCCTTGTCTGTTTCATGTCCGCGC
206	CTTATTGGGTGCCGGTGTCTGGATT	AATCCGACACCGGCACCCAATAAG
207	GGGGCGGTTACCAAAAATCCGAT	ATCGGATTTTTTGGTAACCGCCCC
208	GCTAAAGCGTGCTCCGTAAGTCC	GGCAGTTACGGAGCACGCTTTAGC
209	ATCTCATGCATCTCGGTTTCGTCT	ACGACGAACCGAGATGCATGAGAT
210	ACGAAAAAAGTGTGCGGATCCCCT	AGGGGATCCGCACACTTTTTTCGT
211	CCAAGTACACCGCACGCATGTTTA	TAAACATGCGTGCGGTGTACTTGG
212	ATCGTGCGTGGAGTGTCTGCATCTA	TAGATGCGACACTCCACGCACGAT
213	TCCAGATACCGCCCCGAACCTTTGA	TCAAAGTTCGGGGCGGTATCTGGA
214	TCTGCTGGCAGCACGTGAAGTGGC	GCCACTTCACGTGCTGCCAGCAGA
215	TTGAAATTGCTCTGCCGTCACTCA	TGACTGACGGCAGAGCAATTTCAA
216	AGTCAGGCGAGATGTTCAAGCAGC	GCTGCCTGAACATCTCGCCTGACT
217	ACAAGCCGACGTTAAGCCCGCCCA	TGGGCGGGCTTAACGTCTGGCTTGT
218	CCCTAATGAGGCCAGTAACCTGCA	TGCAGGTTACTGGCCTCATTAGGG
219	GTGAGACACACATCCCCTCCAATG	CATTGGAGGGGATGTGTGTCTCAC
220	CGACGGATGCAGAGTTCAGTGGTC	GACCACTGAACTCTGCATCCGTCG
221	CCCGCATGCCTGGCGGTATTACAA	TTGTAATACCGCCAGGCATGCGGG
222	TTAGCAAAGCGGCGCCGTTAGCAA	TTGCTAACGGCGCCGCTTTGCTAA
223	CCCGACACGGGTCAGCGTAATAAT	ATTATTACGCTGACCCGTGTCTGGG
224	GCGACGGCCCTGAGGTATGTCTGTC	GACGACATACCTCAGGGCCGTCGC
225	CAAAAGTGTGTTCCCTTGCGCTTG	CAAGCGCAAGGGAACACACTTTTG
226	TCTCGAAGCACAGCCCGGTTATTG	CAATAACCGGGCTGTGCTTCGAGA
227	ATGCTAACCGTTGGCCATGGAAC	AGTTCCATGGCCAACGGTTAGCAT
228	CTTGCGGAGTGTTAGCCCAGCGGT	ACCGCTGGGCTAACACTCCGCAAG
229	TGCTCCCTAGGCGCTCGGAGGAGT	ACTCCTCCGAGCGCCTAGGGAGCA
230	CCAATGCCTTTGAGTAAGCGATGG	CCATCGCTTACTCAAAGGCATTGG
231	AGCAGATAACGTCCCAATGACGCC	GGCGTCATTGGGACGTTATCTGCT
232	TTGACCATTACGTGTTGCGCCCAT	ATGGGCGCAACACGTAATGGTCAA
233	TCGCGTATTTGCGGAATTCGTCTG	CAGACGAATTCCGCAAATACGCGA
234	CTGCGTGTCAACAATGTCCCGCAG	CTGCGGGACATTGTTGACACGCAG
235	TCTGGTGCCACGCAAGGTCCACAG	CTGTGGACCTTGCGTGGCACCAGA
236	CTCCGGGAGGTCACCTTAATTGCGG	CCGCAATTAAGTGACCTCCCGGAG
237	TTTTCTGTGATTGCCCGGAGGAGGC	GCCTCCTCCGGGCAATCACGAAAA
238	TCGGGATGTAGCTGGGGCTACCGG	CCGGTAGCCCGAGCTACATCCCGA
239	CGAGCCAACGCAAACACGTCCTTG	CAAGGACGTGTTTGCGTTGGCTCG
240	GCAAAGCCTTTGTGGGGCGGTAGT	ACTACCGCCCCACAAAGGCTTTGC
241	ATTCGACCGGAAATGAGGTCTTCG	CGAAGACCTCATTTCCGGTCAAT
242	TTCGCTTGCTGAGTTGCTCTGTTT	GAACAGAGCAACTCAGCAAGCGAA

5

10

15

20

25

30

35

40

243	CGCGTGAAGACCCATTCCCGAGT	ACTCGGGAATGGGGTCTTCACGCG
244	AACCGTATTCGCGGTCACTTGTGG	CCACAAGTGACCGCGAATACGGTT
245	GGGGCCAACCGTTTTGAGGCGTAT	ATACGCCTCGAAACGGTTGGCCCC
246	TTCGGCTGGCAGTCCAAACGGCTT	AAGCCGTTTGGACTGCCAGCCGAA
247	GGGTGTGGTTAGAATGCACGGTTC	GAACCGTGCATTCTAACCACACCC
248	GCGAGGACCGAACTAGACAAACGG	CCGTTTGTCTAGTTCGGTCCTCGC
249	ACGCACGCGTGACCGAAGTTGCTG	CAGCAACTTCGGTCACGCGTGCCT
250	TAAAAGGTGCGTTTTGAAAGGGGGA	TCCCCCTTTCAAAGCGACCTTTTA
251	TGCGATCGCTAACTGCTGGGACAA	TTGTCCAGCAGTTAGCGATCGCA
252	GGAGGTATAAGCGGAGCGGCCTCA	TGAGGCCGCTCCGCTTATACCTCC
253	ATGCTGACATGTCGTGCACCTCGT	ACGAGGTGCACGACATGTCAGCAT
254	TGTGGTTAAAGCGTCCGTTCAACG	CGTTGAACGGACGCTTTAACCACA
255	CGTTCACACCGGCGTAAGCTGCGT	ACGCAGCTTACGCCGGTGTGAACG
256	CCTATCCCGGCGAGAACTTCTGTG	CACAGAAGTTCTCGCCGGGATAGG
257	GTCTGCACTCACGCAGCGGAGGGA	TCCCTCCGCTGCGTGAGTGCAGAC
258	GCACGAGTTGGTGCTCGGCAGATT	AATCTGCCGAGCACCAACTCGTGC
259	AACGTCGCACGACACACGTTTCGTC	GACGAACGTGTGTGCTGCGACGTT
260	ATGCGCGCTTATCCTAGCATGGTC	GACCATGCTAGGATAAGCGCGCAT
261	TCACGTTTTCGTCTCGACATGAGG	CCTCATGTGAGACGAAAACGTGA
262	TGTGCCTCATCCTTAGGATACGGC	GCCGTATCCTAAGGATGAGGCACA
263	AGGTGGTGTGGGTCAACCGCTTTA	TAAAGCGTTGACCCACACCACCT
264	CTGGATCGAAGGGACTGCAAGCTC	GAGCTTGCAGTCCCTTCGATCCAG
265	TAGATCAACTCGCGTACGCATGGA	TCCATGCGTACGCGAGTTGATCTA
266	GATCCTGCGGAGAAGAGAGTGCA	CTGCACTCTCTTCTCCGCAGGATC
267	TACGTGTGGAGATGCCCCGAACCG	CGGTTCCGGGCATCTCCACACGTA
268	GCGCTATGTCAATCGTGCGCTAG	CTACGCCCACGATTGACATAGCGC
269	AGCGAGGTTTCTAGCGTCGACACC	GGTGTGACGCTAGAAACCTCGCT
270	ACCCAGGTTTTGCCGTTGTGGAAT	ATTCCACAACGGCAAACCTGGGT
271	CCCTGTAAACGGCTGCGTAGTCTC	GAGACTACGCAGCCGTTAACAGGG
272	AGGCCGATTTACCCGCCAATTGC	GCAATTGGCGGGTGAAATCGGCCT
273	GAGCCCTCACTCCTTGCCCTTTGA	TCAAAGGGCAAGGAGTGAGGGCTC
274	GGGTGGACATCCGCCTCGCAGTCA	TGACTGCGAGGCGGATGTCCACCC
275	GATGGCTGAGAACCGTGCTACGAT	ATCGTAGCACGGTTCTCAGCCATC
276	TCGACGTTAGGAGTGCTGCCAGAA	TTCTGGCAGCACTCCTAACGTCGA
277	CGAATGGGTCTGGACCTTGATAG	CTATGCAAGGTCCAGACCCATTCTG
278	GTGCACCAGACATTGCAACTCGGA	TCCGAGTTTGAATGTCTGGTGCAC
279	AGAGGCCCGTATATCCCATCCAT	ATGGATGGGATATACGGGGCCTCT
280	AACGCCTGTTTACAGAGCATCAGCGG	CCGCTGATGCTCTGAACAGGCGTT
281	AAGGCTCAACACGCCTATGTGCGC	GCGCACATAGGCGTGTGAGCCTT
282	AGTCCGTGTTGCCAGATTGGCTCG	CGAGCCAATCTGGCAACACGGACT
283	ATGTCCCATGTAAAGACGCGTGTG	CACACGCGTCTTTACATGGGACAT

284	ATGGAGTCTGCTCACGCCCAAAGG	CCTTTGGGCGTGAGCAGACTCCAT
285	CGGCCTCCAACAAGGAGCACTAAC	GTTAGTGCTCCTTGTTGGAGGCCG
286	CAGAGCCGTGGCAACATTGCGAGC	GCTCGCAATGTTGCCACGGCTCTG
287	TCATTTGAATGAGGTGCGCACCGG	CCGGTGCGCACCTCATTCAAATGA
288	GACGTACCGGAAGCGCCGTATAAA	TTTATACGGCGCTTCCGGTACGTC
289	ATGCGAGCAATGGGATCCGGATTC	GAATCCGGATCCCATTGCTCGCAT
290	AGAGTGAGGCCTCCCTGACCAGTG	CACTGGTCAGGGAGGCCTCACTCT
291	CGCACCGTAAGTAGATTTGCCCGC	GCGGGCAAATCTACTTACGGTGCG
292	TGAACCTTTGAGCACGTCGTGCGC	GCGCACGACGTGCTCAAAGGTTCA
293	TCCGCCTTTTTTGTTACCTCGAAG	CTTCGAGGTAACCAAAAAGGCGGA
294	GAACGCCAACGGCACTAACACATC	GATGTGTTAGTGCCGTTGGCGTTC
295	CCGACAGCAGCCAAGACGTCCCAG	CTGGGACGTCTTGGCTGCTGTCCG
296	CATAAAAAACCTGGGGCTCTGCG	CGCAGAGCCCCAGGTTTTTTTATG
297	TGCCAACTGTGCAGACCGGACTTA	TAAGTCCGGTCTGCACAGTTGGCA
298	GGCGAAAGAGCGAAACCGGCTCGT	ACGAGCCGGTTTCGCTCTTTCGCC
299	GGGATGCGTATTTTAGCGAACACG	CGTGTTGCTAAAATACGCATCCC
300	TGGGATTACGCGACCAGTACGCGA	TCGCGTACTGGTCGCTGAATCCCA
301	CCCGATATTCGCCCGGCCTATTTCG	CGAATAGGCCGGGCGAATATCGGG
302	CGAGAAGATGCCTCACGCAACCAA	TTGGTTGCGTGAGGCATCTTCTCG
303	AACCTTGACCCGTGGATGACGCTA	TAGCGTCATCCACGGGTCAAGGTT
304	GGCTAGACGATGGATACCCGTGCC	GGCACGGGTATCCATCGTCTAGCC
305	GCCTCTTCTCGACGATGCGATTTT	AAAATCGCATCGTCGAGAAGAGGC
306	GCTTCCGGATGAACGGGATGGTTG	CAACCATCCCGTTCATCCGGAAGC
307	CCCTCCATGTTCTTGAACGGTTT	AAACCGTTCGAAGAACATGGAGGG
308	TTGATGGGCGGCAATGCTCTTGCT	AGCAAGAGCATTGCCGCCCATCAA
309	ATTGTGAGATGCGCCAAATTCCCC	GGGGAATTTGGCGCATCTCACAAT
310	TCAGCACAGCCAGACGGTCAACTT	AAGTTGACCGTCTGGCTGTGCTGA
311	ACTCCACTCCTCGGTGGCAAACCTA	TAGTTTGCCACCGAGGAGTGGAGT
312	TCTGGGCATGCCTGGACGGAGACG	CGTCTCCGTCCAGGCATGCCCAGA
313	TCTCAACTCCGGTACGACGAAACA	TGTTTCGTCTGACCGGAGTTGAGA
314	TTGCGTGGTCAAAGGCGCAACGTG	CACGTTGCGCCTTTGACCACGCAA
315	AGACAGCGATCCGCGGCTCATGAT	ATCATGAGCCGCGGATCGCTGTCT
316	CGCGTCTCTAACTGAGAGCAGCCA	TGGCTGCTCTCAGTTAGAGACGCG
317	AGGCGCACATGTACGGACATTCAG	CTGAATGTCCGTACATGTGCGCCT
318	GATGAGTGGCACGTCCGGTGTGTAA	TTACACACCGACGTGCCACTCATC
319	TGATCCATATTGTCGGACGTTGCG	CGCAACGTCCGACAATATGGATCA
320	ACCTGCCGGGAGTTCATAGGCTAG	CTAGCCTATGAACTCCCGGCAGGT
321	AGCATTGGCGTTTTTCCGCAACGA	TCGTTGCGGAAAAACGCCAATGCT
322	GGTAATATTCAGCGCGACCGCTCA	TGAGCGGTGCGCGCTGAATATTACC
323	ATAGCGTACGACGAGGTGACGCGC	GCGCGTCACCTCGTCGTACGCTAT
324	TAGGTCACGATGCGTTTGACGCTA	TAGCGTCAAACGCATCGTGACCTA

5

10

15

20

25

30

35

40

325	ACTGCCCGTACCTCTGGTTCTGGC	GCCAGAACCAGAGGTACGGGCAGT
326	CCTTTGGCCTGAAGTTGTCGTAGC	GCTACGACAACTTCAGGCCAAAGG
327	GTGCCCCACGAGCGTATCGTTGTA	TACAACGATACGCTCGTGGGGCAC
328	AGGCGCTACGTGGGCCTGGAGCAA	TTGCTCCAGGCCACGTAGCGCCT
329	GGGTGCTACCATTGCATTAGTCCG	CGGACTAATGCAATGGTAGCACCC
330	ACCACGCGCGTACGTGTAACCGAG	CTCGGTTACACGTACGCGCGTGGT
331	CCATGATGCATTGGGTGCATTTAG	CTAAATGCACCCAATGCATCATGG
332	GGTCCGGCCCTACGAAACGTTCTGA	TCGAACGTTTTCGTAGGGCCGGACC
333	CCGTGTGGCTGGAGATTCGTGTGA	TCACACGAATCTCCAGCCACACGG
334	GTTAGGGCGACGCATATTGGCACA	TGTGCCAATATGCGTCGCCCTAAC
335	GGGTCAGTCAGGTGCGTTAGGATC	GATCCTAACGCACCTGACTGACCC
336	GCCGTGAAGTCGAATGCAGATCGA	TCGATCTGCATTGACTTCACGGC
337	GCCACCACCCAGTGCATTCAGGTA	TACCTGAATGCACTGGGTGGTGGC
338	GAGCTTAGTTTTGCGTCATCGGGC	GCCCGATGACCGCAAACCTAAGCTC
339	TGTTTGCCGCCATTAGGGAGTAAC	GTTACTCCCTAATGGCGGCAAACA
340	GCTCCGCTGGATGTGCCGGTTTAG	CTAAACCGGCACATCCAGCGGAGC
341	CGGTAGCATGCGAGATCCCTGTTA	TAACAGGGATCTCGCATGCTACCG
342	CTACGCTCTACCAAGTTGCCTGCGA	TCGCAGGCAACTGGTAGAGCGTAG
343	GTGCCTCCTGCTGTATTTGCCAAG	CTTGCAAATACAGCAGGAGGCAC
344	TTGCGACTCGACTTGGACGAGTAG	CTACTCGTCCAAGTCGAGTCGCAA
345	TCTGGGAGCTGTTTACTCCAGCCA	TGGCTGGAGTAAACAGCTCCCAGA
346	TGCACGCGGAACTCCCTTTACCAT	ATGGTAAAGGGAGTTCCGCGTGCA
347	TGGCAGCAAATGAATCGAAAGCAC	GTGCTTTCGATTCATTTGCTGCCA
348	AACTGGTGACGCGGTACAGCGAAG	CTTCGCTGTACCGCGTCACCAGTT
349	AGACGATTACGCTGGACGCCGTCG	CGACGGCGTCCAGCGTAATCGTCT
350	ATGCCCTCCTTCATGGAAGGGTT	AACCCTTTCCATGAAGGAGGGCAT
351	ATTCTCGGAGCGTATGCGCCAGAA	TTCTGGCGCATACGCTCCGAGAAT
352	ATAGCGGAGTTTGGGTACGCGAAC	GTTTCGCTACCCAAACTCCGCTAT
353	ACCTACGCATACCGCTTGGCGAGG	CCTCGCCAAGCGGTATGCGTAGGT
354	GATTACCTGAATGGCCAAGCGAGC	GCTCGCTTGGCCATTACAGTAATC
355	CCTGTTAGCATCACGGCGCTTAGG	CCTAAGCGCCGTGATGCTAACAGG
356	CGGAATGATGCGCTCGACAACGCT	AGCGTTGTCGAGCGCATCATTCCG
357	TGAGAGAGGCGTTGGTTAAGGCAA	TTGCCTTAACCAACGCCTCTCTCA
358	AAGCAGGCGAAGGGATACTCCTCG	CGAGGAGTATCCCTTCGCCTGCTT
359	TCACGACAGACGGGCCGAGATTAC	GTAATCTCGGCCCCTGTGTCGTGA
360	AAGCAATTTGGCCTCGTTTTGTGA	TCACAAAACGAGGCCAAATTGCTT
361	GCTGGTTGCGGTAGGATCGCATAT	ATATGCGATCCTACCGCAACCAGC
362	TTGTGAATCCGTTCTGTCCCCGAC	GTCGGGGACAGAACGGATTACAA
363	TGGGCTCCTCTGAGGCGAGATGGC	GCCATCTCGCCTCAGAGGAGCCCA
364	GGATAGAGTGAATCGACCGGCAAC	GTTGCCGGTCGATTCACTCTATCC
365	TGCACCGAACGTGCACGAGTAATT	AATTACTCGTGACGTTCCGGTGCA

5

10

15

20

25

30

35

40

366	GCCAGTATTCTCGGGTGTGGACG	CGTCCAACACCCGAGAATACTGGC
367	TCGCTACCTAAGACCGGGCCATAC	GTATGGCCCGGTCTTAGGTAGCGA
368	TGGCATTGACGAGCAGCAGTCAGT	ACTGACTGCTGCTCGTCAATGCCA
369	CGCGTCCCAGCGCCCTTGGAGTAT	ATACTCCAAGGGCGCTGGGACGCG
370	ATGAAGCCTACCGGGCGACTTCGT	ACGAAGTCGCCCCGGTAGGCTTCAT
371	CCAGACAGATGGCCTGGAACCATG	CATGGTTCCAGGCCATCTGTCTGG
372	TGGCGTGGGACCATCTCAAAGCTA	TAGCTTTGAGATGGTCCCACGCCA
373	CCGCATGGGAACACGTGTCAAGGT	ACCTTGACACGTGTTCCCATGCGG
374	GCCCACTCGTCAGCTGGACGTAAT	ATTACGTCCAGCTGACGAGTGGGC
375	ATTACGGTCGTGATCCAGAAAGCG	CGCTTTCTGGATCACGACCGTAAT
376	TGCGAGGTGAGCACCTACGAGAGA	TCTCTCGTAGGTGCTCACCTCGCA
377	GGGCCGCATTCTTGATGTCCATTC	GAATGGACATCAAGAATGCGGCC
378	CCTCGGATGTGGGCTCTCGCCTAG	CTAGGCGAGAGCCCACATCCGAGG
379	TAGGCATGTTGGCGTGAGCGCTAT	ATAGCGCTCACGCCAACATGCCTA
380	CGATACGAACGAGGATGTCCGCCT	AGGCGGACATCCTCGTTTCGTATCG
381	TACGCCGGTTAGCACGGTGCGCTA	TAGCGCACCGTGCTAACCGGCGTA
382	CATACGATGTCCGGGCCGTGTCCG	GCGACACGGCCCGGACATCGTATG
383	ATCCGCAGTTGTATGGCGCGTTAT	ATAACGCGCCATACAACCTGCGGAT
384	GGGTAAGGGACAAAGATGGGATGG	CCATCCCATCTTTGTCCCTTACCC
385	ATTGGAGTGTGTTTGGTGAATCCGC	GCGGATTACCAAACACTCCAAT
386	GAACCGAGCCAACGTATGGACACG	CGTGTCCATACGTTGGCTCGGTTC
387	GCCGTCAAGCTTAAGGTTTTGGGC	GCCCCAAACCTTAAGCTTGACGGC
388	ACCTGCTTTTGGGTGGGTGATATG	CATATCACCCACCCAAAAGCAGGT
389	AATCGTGGGCGCAGCAAACGTATA	TATACGTTTGCTGCGCCACGATT
390	GTCGCCGGATTGCTCAGTATAAGC	GCTTATACTGAGCAATCCGGCGAC
391	ACCCGTCGATGCTTCCTCCTCAGA	TCTGAGGAGGAAGCATCGACGGGT
392	ATCCGGGTGGGCGATACAAGAGAT	ATCTCTTGATCGCCACCCGGAT
393	TTCCGCATGAGTCAGCTTTGAAAA	TTTTCAAAGCTGACTCATGCGGAA
394	GCAAAGTCCCCTGGCAAGCCGAT	ATCGGCTTGCCAGTGGGACTTTGC
395	CGACCTCGGCTTCATCGTACACAT	ATGTGTACGATGAAGCCGAGGTCTG
396	CTCATGAGCGCAGTTGTGCGTGAG	CTCACGCACAACCTGCGCTCATGAG
397	CAGATGAAGGATCCACGGCCGGAG	CTCCGGCCGTGGATCCTTCATCTG
398	TCAAAGGCTCTTGGATACAGCCGT	ACGGCTGTATCCAAGAGCCTTTGA
399	TCCGCTAATTTCCAATCAGGGCTC	GAGCCCTGATTGGAAATTAGCGGA
400	ACGCACGGCGCTTTTGCCTTAATG	CATTAAGGCAAAAGCGCCGTGCGT
401	TGACAACGTACAAGGAGCAGGAC	GTCCTGCTCCTTGTGACGTTGTCA
402	CTTAGTTGGGGCGCGGTATCCAGA	TCTGGATACCGCGCCCCAACTAAG
403	GCTCTAATGCCGTGGAGTCGGAAC	GTTCCGACTCCACGGCATTAGAGC
404	CCGATTACAAATTGACTGACCGCA	TGCGGTCAGTCAATTTGTAATCGG
405	AGACGTACGTGAGCCTCCCGTGTC	GACACGGGAGGCTCACGTACGTCT
406	AATGGAGCGATACGATCCAACGCA	TGCGTTGGATCGTATCGCTCCATT

407	GGAGGCGCTGTA CTGATAGGCGTA	TACGCCTATCAGTACAGCGCCTCC
408	TGTTTTGAATTGACCACACGGGA	TCCCGTGTGGTCAATTCAAAAACA
409	CATGTCTGGATGCGCTCAATGAAG	CTTCATTGAGCGCATCCAGACATG
410	GCCCGCTAATCCGACACCCAGTTT	AAACTGGGTGTCTGGATTAGCGGGC
411	CCATTGACAGGAGAGCCATGAGCC	GGCTCATGGCTCTCCTGTCAATGG
412	GAATCACCGAATCACCGACTCGTT	AACGAGTCGGTGATTCCGGTGATT
413	AACCAGCCGCGAGTAGCTTACGTCG	CGACGTAAGCTACTGCGGCTGGTT
414	TTTTCTGAGGGACACGCGGGCGTT	AACGCCCCGCGTGTCCCTCAGAAAA
415	GGTGCTCCGTTTGATCGATCCTCC	GGAGGATCGATCAAACGGAGCACC
416	CCGCTTAGGCCATACTCTGAGCCA	TGGCTCAGAGTATGGCCTAAGCGG
417	TAAGACATACCGACGCCCTTGCCT	AGGCAAGGGCGTCGGTATGTCTTA
418	GTTCCCGACGCCAGTCATTGAGAC	GTCTCAATGACTGGCGTCGGGAAC
419	TAAAAGTTTCGCGGAGGTCTGGGCT	AGCCCGACCTCCGCGAAACTTTTA
420	CGGTCCAGACGAGCTGAGTTCGGC	GCCGAACCTCAGCTCGTCTGGACCG
421	CGGCGTAGCGGCTACGGACTTAAA	TTTAAGTCCGTAGCCGCTACGCCG
422	GCTTGATGCCCATGCGGCAAGGT	ACCTTGCCGCATGGGCATCCAAGC
423	AGCGGGATCCCAGAGTTTCGAAAA	TTTTCGAAACTCTGGGATCCCGCT
424	GAGCTTGAGAGCGAGGTCATCCTC	GAGGATGACCTCGCTCTCAAGCTC
425	GCATCGGCCGTTTTGACCATATTC	GAATATGGTCAAAACGGCCGATGC
426	CATAGCGCTGCACGTTTCGACCGC	GCGGTCGAAACGTGCAGCGCTATG
427	ACCCGACAACCACCAATTCAAAAA	TTTTTGAATTGGTGGTTGTCTGGGT
428	GCGAACACTCATAAGAGCGCCCTG	CAGGGCGCTCTTATGAGTGTTCTGC
429	CCGCCGAGTGTAGAGAGACTCCGA	TCGGAGTCTCTCTACACTCGGCGG
430	GACATCGGGAGCCGGAACATGAG	CTCATGTTTCCGGCTCCCGATGTC
431	TCGTGTAGACTCGGCGACAGGCGT	ACGCCTGTGCGCGAGTCTACACGA
432	ATGCGCATATACTGACTGCGCAGG	CCTGCGCAGTCAGTATATGCGCAT
433	ACAAGCGAACCCGAGTTTTGATGA	TCATCAAAACTCGGGTTCGCTTGT
434	GCATGAGACTCCGCGAAGACATGT	ACATGTCTTCGCGGAGTCTCATGC
435	TCCTACATGTGCGGTCACGATCAC	GTGATCGTGACGCGACATGTAGGA
436	GACCGATCGCGAAGTCGTACACAT	ATGTGTACGACTTCGCGATCGGTC
437	GTCGCCAGGACTGGGCCGATGTGA	TCACATCGGCCAGTCCTGGCGAC
438	ACCGATAAGACTTGCATCCGAACG	CGTTCGGATGCAAGTCTTATCGGT
439	TCCATAACCACTCCGAAGTGCCGG	CCGGCACTTCGGACTGGTTATGGA
440	ACGCGCCCTGCATCTCGTATTTAA	TTAAATACGAGATGCAGGGCGCGT
441	AGACCGCATCAATTGGCGCGTACC	GGTACGCGCCAATTGATGCGGTCT
442	AGAGGCTTGCCAAGTAGGGACCCT	AGGGTCCCTACTTGCCAAGCCTCT
443	GCAATGGACGCCAGACGATACCGG	CCGGTATCGTCTGGCGTCCATTGC
444	GCTGGACTTAGTCGTGTTCTGGCGG	CCGCCGAACACGACTAAGTCCAGC
445	AGGCATCGTGCCGGATTGCTCCCT	AGGGAGCAATCCGGCAGCATGCCT
446	TGCGCATGTCGACGTTGAACAAAG	CTTTGTTCAACGTCGACATGCGCA
447	TTCGGGTCACATCCGATGCCATAC	GTATGGCATCGGATGTGACCCGAA

5

10

15

20

25

30

35

40

448	ACCCATCGCCGGAAAGCGATGTTG	CAACATCGCTTTCCGGCGATGGGT
449	AAGCGCTGACTCGGCTAAGAATCA	TGATTCTTAGCCGAGTCAGCGCTT
450	ACTTCCAAGTCCTTGACCGTCCGA	TCGGACGGTCAAGGACTTGGAAGT
451	TCTCAATATTCCCGTAGTCGCCCA	TGGGCGACTACGGGAATATTGAGA
452	AACAGTTCCTCTTTTTCTGCGCG	GCGCCAGGAAAAAGAGGAACTGTT
453	CGTCCTCCATGTTGTACGAACAG	CTGTTCTGTGACAACATGGAGGACG
454	TGCGCAGACCTACCTGTCTTTGCT	AGCAAAGACAGGTAGGTCTGCGCA
455	ATGGACGGCTTCGCAGTCCTCCTT	AAGGAGGACTGCGAAGCCGTCCTAT
456	TGAACGCTTTCTATGGGCCACGTA	TACGTGGCCCATAGAAAGCGTTCA
457	TGAACCCTGCCGCGAGCGATAACC	GGTTATCGCTCGCGGCAGGGTTCA
458	GTTCTTGCGCGATGAATCAGGACC	GGTCCTGATTCATCGCGCAAGAAC
459	AGGGTACGTGTGCGAGCTTCGCGT	ACGCGAAGCTGCGACACGTACCCT
460	ACCCTTGCTCCGCCATGTCTCTCA	TGAGAGACATGGCGGAGCAAGGGT
461	GGGACAAGGATTGAAGCTGGCGTC	GACGCCAGCTTCAATCCTTGTCCC
462	TGTCGTTGCTCCCGAGTACCATTG	CAATGGTACTCGGGAGCAACGACA
463	GTTGTCCGAGACGTTTGTGTCAGC	GCTGACACAAACGTCTCGGACAAC
464	GCTGGTGAACACTCACGAACCGCT	AGCGGTTCTGTGAGTGTTACACCAGC
465	GCAGACAGGGCAAATCGGTGCAAA	TTTGCACCGATTTGCCCTGTCTGC
466	CCCATCACAACGAGTGGCGACTTT	AAAGTCGCCACTCGTTGTGATGGG
467	GCTTCTACAGCTGGCGTGCTAGCG	CGCTAGCACGCCAGCTGTAGAAGC
468	GAATGTGTGCCGACCATTCTAGCC	GGCTAGAATGGTCGGCACACATTC
469	CCAGCGGAAGTTAGAGCTCTGTGG	CCACAGAGCTCTAATTCCGCTGG
470	TTTTTACCGACCACTCCATGTCCG	CCGACATGGAGTGGTCGGTAAAAA
471	GCGGCTATGTGATGACGGCCTAGC	GCTAGGCCGTCTACATAGCCGC
472	AGTACACGGGCGTGTTAGCGCTCC	GGAGCGCTAACACGCCCGTGTACT
473	TCCTGTGTGGTGGCGCACTCCAC	GTGGGAGTGCGCCACCACACAGGA
474	CCAACTAACCAATCGCGCGGATGA	TCATCCGCGCGATTGGTTAGTTGG
475	AGTGAGTGACCAAGGCAGGAGCAA	TTGCTCCTGCCTTGGTCACTCACT
476	CATCTTTCGCGGAGTTTATTGCGG	CCGCAATAAACTCCGCGAAAGATG
477	CTTCGTCCGGTTAGTGCAGACAGCA	TGCTGTGCGACTAACCGGACGAAG
478	CTCACGAAAACGTGGGCCCGAAAT	ATTTCTGGGCCACGTTTTCTGTGAG
479	CGCAGCAGCTGAACTCTAGCATTG	CAATGCTAGAGTTCAGCTGCTGCG
480	AGGAGACATACGCCCAAATGGTGC	GCACCATTGTTGGCGTATGTCTCCT
481	ATTGAGAACTCGTGCGGGAGTTTG	CAAACCTCCCGCACGAGTTCTCAAT
482	CTCTTTGTAGGCCCAGGAGGAGCA	TGCTCCTCCTGGGCCTACAAAGAG
483	GCCGCAGGGTCGATAATTGGTCTA	TAGACCAATTATCGACCCTGCGGC
484	AAACGCCGCCCTGAGACTATTGGG	CCCAATAGTCTCAGGGCGGCGTTT
485	CTGAGTTGCCTGGAACGTTGGACT	AGTCCAACGTTCCAGGCAACTCAG
486	CGGATGGGTTGCAGAGTATGGGAT	ATCCCATACTCTGCAACCCATCCG
487	CTGACCTTTGGGGGTTAGTGCGGT	ACCGCACTAACCCCCAAAGGTCAG
488	GGAAATGAGAACCTTACCCCAGCG	CGCTGGGGTAAGGTTCTCATTTCC

5

10

15

20

25

30

35

40

489	AACGCATCGTCCGTCAACTCATCA	TGATGAGTTGACGGACGATGCGTT
490	TGGAGAGAGACTTCGGCCATTGTT	AACAATGGCCGAAGTCTCTCTCCA
491	TTGCGCTCATTGGATCTTGTCAGG	CCTGACAAGATCCAATGAGCGCAA
492	AGCGCGTTAAAGCACGGCAACATT	AATGTTGCCGTGCTTTAACGCGCT
493	AGCCAGTAAACTGTGGGCGGCTGT	ACAGCCGCCACAGTTTACTGGCT
494	CGACTGATGTGCAACCAGCAGCTG	CAGCTGCTGGTTGCACATCAGTCG
495	GGTTGCTCATACGACGAGCGAGTG	CACTCGCTCGTCGTATGAGCAACC
496	GCGCAAATCCACGGAACCCGTACC	GGTACGGGTTCCGTGGATTTGCGC
497	ACGCAGTTTATTCCCCTGGCTTCT	AGAAGCCAGGGGAATAAACTGCGT
498	AGAACCTCCGCGCCTCCGTAGTAG	CTACTACGGAGGCGCGGAGGTTCT
499	AAAGGAGCTTTCGCCCAACGTACC	GGTACGTTGGGCGAAAGCTCCTTT
500	AGTGATTGTGCCACTCCACAGCTC	GAGCTGTGGAGTGGCACAATCACT
501	GCGATCGTCGAGGGTTGAGCTGAA	TTCAGCTCAACCCTCGACGATCGC
502	GGGAGACAGCCATTATGGTCCTCG	CGAGGACCATAATGGCTGTCTCCC
503	GAGACGCTGTCACTCCGGCAGAAC	GTTCTGCCGGAGTGACAGCGTCTC
504	CCACCGGTCGCTTAAGATGCACTT	AAGTGCATCTTAAGCGACCGGTGG
505	CGGCATAACGTCCAGTCTGGGAC	GTCCCAGGACTGGACGTTATGCCG
506	AAGCGGAACGGGTTATACCGAGGT	ACCTCGGTATAACCCGTTCCGCTT
507	TGCACACTAGGTCCGTCGCTTGAT	ATCAAGCGACGGACCTAGTGTGCA
508	AGGGAACCGCGTTCAAACCTCAGTT	AACTGAGTTTGAACGCGGTTCCCT
509	GAATTACAACCACCCGCTCGTGTT	AACACGAGCGGGTGGTTGTAATTC
510	TTCAGTGCTCACGAAGCATGGATT	AATCCATGCTTCGTGAGCACTGAA
511	TTAGTTTGGCGTTGGGACTTCACC	GGTGAAGTCCCAACGCCAAACTAA
512	AATGCGACCTCGACGAGCCTCATA	TATGAGGCTCGTCGAGGTCGCATT
513	CCGAAACCGTTAACGTGGCGCACA	TGTGCGCCACGTTAACGGTTTCGG
514	TAAAGTAACAAGGCGACCTCCCGC	GCGGGAGGTCGCCTTGTTACTTTA
515	TAATGATTTTAGTCGCGGGGTGGG	CCCACCCGCGACTAAAATCATT
516	GGCTACTCTAAGTGCCCGCTCAGG	CCTGAGCGGGCACTTAGAGTAGCC
517	TGGCGGACGACTCAATATCTCACG	CGTGAGATATTGAGTCGTCCGCCA
518	GGGCGTTAGGCGTAATAGACCGTC	GACGGTCTATTACGCCTAACGCC
519	GCCACCTTTAGACGGCGGCTCTAG	CTAGAGCCGCGTCTAAAGGTGGC
520	GAGATGTGTAAACGTGCAGGCACC	GGTGCCTGCACGTTTACACATCTC
521	TAGCTCGTGCCCTCCAAGCGTGT	ACACGCTTGAGGGGCCACGAGCTA
522	GTGTCGGCGCTATTTGGCCTTACC	GGTAAGGCCAAATAGCGCCGACAC
523	CCAGGGAAGCAACTGGTTGCCATT	AATGGCAACCAGTTGCTTCCCTGG
524	TTCCGAAACTAAGCCAGAACCGCT	AGCGGTTCTGGCTTAGTTTCGGAA
525	GCAAACCCGGTAACCCGAGAGTTC	GAACCTCGGGTTACCGGGTTTGC
526	GCAAATGGCGTCATGCACGAACGT	ACGTTCTGTGCATGACGCCATTTGC
527	AGTACTTTCGCGCCCAGTTTAGGG	CCCTAAACTGGGCGCGAAAGTACT
528	AAGATCTGCGAGGCATCCCGGCTT	AAGCCGGGATGCCTCGCAGATCTT
529	GCAAGTGTATCGCACAGTGCGATT	AATCGCACTGTGCGATACACTTGC

530	CCGACAAGGCCTCAATTCATTCTG	CAGAATGAATTGAGGCCTTGTCGG
531	GTCTCGTCTCAACTTTAAGGCGCG	CGCGCCTTAAAGTTGAGACGAGAC
532	ATCCAGAGATCCGTTTTGCAGCGT	ACGCTGCAAAACGGATCTCTGGAT
533	GTCACCAGGAGGGAAGTTTCACCC	GGGTGAAACTTCCCTCCTGGTGAC
534	TTCCGTCAGGCGGATCAACGGAAT	ATTCCGTTGATCCGCCTGACGGAA
535	ATGCCGGACACGCATTACACAGGC	GCCTGTGTAATGCGTGTCCGGCAT
536	TGGGCCGCTTGGCGCTTTCATAGA	TCTATGAAAGCGCCAAGCGGCCCA
537	CCTAGCGCGAGCTTTACTGACCAG	CTGGTCAGTAAAGCTCGCGCTAGG
538	TTGGCCAGGAATATGGTCTCGAGA	TCTCGAGACCATATTCCTGGCCAA
539	GTCTGCGGCCGACTTGCTATGCAT	ATGCATAGCAAGTCGGCCGCAGAC
540	AACTTGCTCATTCTCAAGCCGACG	CGTCGGCTTGAGAATGAGCAAGTT
541	ACGTCAGCGATTGTGGCGAAATAT	ATATTTGCCCACAATCGCTGACGT
542	ACGGCCTGCGTCAGCACATGCATC	GATGCATGTGCTGACGCAGGCCGT
543	ATACCTCCGCAGAACCATTCCGTT	AACGGAATGGTTCTGCGGAGGTAT
544	AGTTCGCGGTCCCACGATTCACTT	AAGTGAATCGTGGGACCGCGAACT
545	TGCTCAATTTGTGCAGAAAACGCC	GGCGTTTTCTGCACAAATTGAGCA
546	TTATCGCGAGAGACGACCGTGTCC	GGACACGGTCGTCTCTCGCGATAA
547	GACGCGACGTGAGTAGTGGAAGCG	CGCTTCCACTACTCACGTCGCGTC
548	ATGGTAGGGGCATTGGGCTTTCCT	AGGAAAGCCCAATGCCCTACCAT
549	CCAAATATAGCCGCGCGGAGACAT	ATGTCTCCGCGCGGCTATATTTGG
550	GCAAACCCTGATTGAATCGTGCCC	GGGCACGATTCAATCAGGGTTTGC
551	TAGCGTCTTGCGTGAAACCATGGG	CCCATGGTTTCACGCAAGACGCTA
552	CCACCCCGACAGCGCTGGACTCTT	AAGAGTCCAGCGCTGTCGGGGTGG
553	ACGAGCACTGAAGGCTGCTTTACG	CGTAAAGCAGCCTTCAGTGCTCGT
554	CATATCAGCGTCGTCTAGCTCGCG	CGCGAGCTAGACGACGCTGATATG
555	TGATCCCGGACCGGCTAGACTAAT	ATTAGTCTAGCCGGTCCGGGATCA
556	GGCCCCGACACTACAGGGTAATCA	TGATTACCCTGTAGTGTGCGGGGCC
557	GGCTCCAGGGCGAGATTATGAATG	CATTCATAATCTCGCCCTGGAGCC
558	CAAAATCCGATGGGCGGAAAATTA	TAATTTTCCGCCCATCGGATTTTG
559	CACAGGCGCATAGGGAGCAAGCTA	TAGCTTGCTCCCTATGCGCCTGTG
560	TAGCTATTGCCCCGATGGGCTACT	AGTAGCCCATCGGGGCAATAGCTA
561	TGGTACGCGGTCCATAGCAAGTCG	CGACTTGCTATGGACCGCGTACCA
562	GACGCTGTGGCTCGGAAACTGTTC	GAACAGTTTCCGAGCCACAGCGTC
563	CCTGGGTTTCGCCGCGTGCTAACTG	CAGTTACCACGCGGCGAACCAGG
564	TTCCCGCGTAGCCCAACAGCTATA	TATAGCTGTTGGGCTACGCGGGAA
565	TTCGCGGATTGCTGCCGCATAACA	TGTTATGCGGCAGCAATCCGCGAA
566	AAAAATGGCACC GAAGTTGAGGCA	TGCCTCAACTTCGGTGCCATTTTT
567	CATTCCGCGCGAGTTGAAATCCAG	CTGGATTTCAACTCGCGCGGAATG
568	ACGCACGTTTTTTGGCACGGTTAA	TTAACCGTGCCAAAAAACGTGCGT
569	TGTCCATGACGTCGTTTCTCTGGT	ACCAGAGAAACGACGTCATGGACA
570	TCTCAGTCGGACTCGTATGCCAGA	TCTGGCATACGAGTCCGACTGAGA

5

10

15

20

25

30

35

40

571	CTCCAAACGCACACATCAAGCATC	GATGCTTGATGTGTGCGTTTGGAG
572	TTCAACCAAGCGGGGTGTTCTGTA	TCACGAACACCCCGCTTGTTGAA
573	GGTGTCGGAGGGTGGTGACCTCGA	TCGAGGTCACCACCCTCCGACACC
574	AGCGCTTTTGGTCATGATTTGCAA	TTGCAAATCATGACCAAAAGCGCT
575	CCGAGGACTTACGTCTGCCCAGGA	TCCTGGGCAGACGTAAGTCCTCGG
576	GCCCAATCCAGTTCTTATGCGCCC	GGGCGCATAGAAGTGGATTGGGC
577	CGGGTTAACCCACGCAAGTTATGA	TCATAACTTGCGTGCGTTAACCCG
578	TGATTAGCGCTCAATACACGCGTG	CACGCGTGTATTGAGCGCTAATCA
579	AAGGGCAGACCTTTGGTTCGACTG	CAGTCGAACCAAAGGTCTGCCCTT
580	GCGCCACAAGATTCACATGTCATT	AATGACATGTGAATCTTGTTGGCGC
581	GCCATGTTCAAGGGCCTTTTGAAG	CTTCGAAAGGCCCTTGAACATGGC
582	CGCGGTGTTTTGTCTAGGTGCCGG	CCGGCACCTAGACAAAACACCGCG
583	CAACATTGTGGTGGCACTCCATCC	GGATGGAGTGCCACCACAATGTTG
584	CGATACGCGCCGGTTTGTAAATC	GATTTAACAAACCGGCGCGTATCG
585	GGCTATAAACGTGCGGACTGCTCC	GGAGCAGTCCGCACGTTTATAGCC
586	TGGGTAAATCACTATTGCGCGGTT	AACCGCGCAATAGTGATTTACCCA
587	GTCTTCATCGGCCCGCGCAAGCTA	TAGCTTGCGCGGGCCGATGAAGAC
588	GCGACACACCCTGTACTCTGATGC	GCATCAGAGTACAGGGTGTGTGCG
589	GTAGCAGGGTCCGCAAGACCAAGC	GCTTGGTCTTGCGGACCCTGCTAC
590	TCGCCAACGCAGGGTAAGTCCAT	ATGGCAGTTACCTGCGTTGGCGA
591	ACTCCGAAGCTTCGAGCGGCACGA	TCGTGCCGCTCGAAGCTTCGGAGT
592	TCCCGCCCACTAGACTGACTCGTA	TACGAGTCAGTCTAGTGGGCGGGA
593	ACCTTCTGGGGTCGCTACCAATA	TATTGGTGAGCGACCCAGAAGGT
594	ATCATCCCACGGCAGAGTGAAGAG	CTCTTCACTCTGCCGTGGGATGAT
595	CGCTGGACTGGCCTATCCGAGTCG	CGACTCGGATAGGCCAGTCCAGCG
596	CGGTCTCAGCAACACTGTCGCAAA	TTTGCGACAGTGTTGCTGAGACCG
597	CGAACGTTCTCCGATGTAATGGCC	GGCCATTACATCGGAGAACGTTCCG
598	ATACCGTGCGACAAGCCCCTCTGA	TCAGAGGGGCTTGTCGCACGGTAT
599	AGCTCATTCCCGAGACGGAACACC	GGTGTTCCGTCTCGGAATGAGCT
600	TTTCATGCGGCCGTTGCAAATCAT	ATGATTTGCAACGGCCGCATGAAA
601	ACTCGAACGGACGTTCAATTCCCA	TGGGAATTGAACGTCCGTTCCGAGT
602	CTGCATGGTGTGGGTGAGACTCCC	GGGAGTCTCACCCACACCATGCAG
603	CCGCGAGTGTGGATGGCGTGTTGA	TCAACACGCCATCCCACTCGCGG
604	AATGTGTCGGTCCTAAGCCGGGTG	CACCCGGCTTAGGACCGACACATT
605	TAAGACGAGCCTGCACAGCTTGCG	CGCAAGCTGTGCAGGCTCGTCTTA
606	GGCGTGGGAGGATAAGACGATGTC	GACATCGTCTTATCCTCCACGCC
607	TGCTCCATGTTAGGAACGCACCAC	GTGGTGCGTTCCTAACATGGAGCA
608	CGGTGTTGGTTCGACTGACGACTG	CAGTCGTGAGTCCGACCAACACCG
609	CCGCGCGTATCTATCAGATCTGGG	CCCAGATCTGATAGATACGCGCGG
610	AAAGCATGCTCCACCTGGAGCGAG	CTCGCTCCAGGTGGAGCATGCTTT
611	ACTTGTCATCGCTGGGTAGATCCGG	CCGGATCTACCCAGCGATGCAAGT

5

10

15

20

25

30

35

40

612	TGCTTACGCAGTGGATTGGTCAGA	TCTGACCAATCCACTGCGTAAGCA
613	ATGCAGATGAACAAATCGCCGAAT	ATTCGGCGATTTGTTTCATCTGCAT
614	GCAATTCTGGGCCATGTATTCGTC	GACGAATACATGGCCCAGAATTGC
615	AGGGTTCCTTACGCGTCGACATGG	CCATGTCGACGCGTAAGGAACCCT
616	GTGGAGCTAATCGCGAGCCTCAGA	TCTGAGGCTCGCGATTAGCTCCAC
617	TCGTAGTCTCACCGGCAATGATCC	GGATCATTGCCGGTGAGACTACGA
618	TTATAGCAGTGCGCCAATGCTTCG	CGAAGCATTGGCGCACTGCTATAA
619	CGAACAGTGCTGTCCGTCGCTCAA	TTGAGCGACGGACAGCACTGTTCCG
620	TCCGCGTGGACTGTTAGACGCTAT	ATAGCGTCTAACAGTCCACGCGGA
621	CATTAGCCCCTGTGCGGTAACGT	ACAGTTACCGACAGCGGGCTAATG
622	GGAAAGAACTCAGACGCGCAATG	CATTGCGCGTCTGAGTTTCTTTCC
623	CGACTCGCTGGACAGGAGAATCGT	ACGATTCTCCTGTCCAGCGAGTCG
624	CATGATCCTCTGTTTCACCCGCGG	CCGCGGGTGAAACAGAGGATCATG
625	GGCGTAGCGCTCTAAAAGCTTCGG	CCGAAGCTTTTAGAGCGCTACGCC
626	AGTGATGCCATCAGGCCCGTATAC	GTATACGGGCCTGATGGCATCACT
627	TATGGAAAGGGCAACAGCGCTATC	GATAGCGCTGTTGCCCTTTCCATA
628	CTGTGGTTGATGGAGGATCCACAC	GTGTGGATCCTCCATCAACCACAG
629	ACTCGCTGGAATTTGCGCTGACAC	GTGTCAGCGCAAATTCCAGCGAGT
630	CAGGCCCGAACCACGCGTTACAG	CTGTAACCGCGTGGTTCGGGCCTG
631	GGCGCAATGGGCGCATAAACTA	TAGTATTTATGCGCCCATTCGCC
632	GGTCAATTCGCGCTACATGCCCTA	TAGGGCATGTAGCGCGAATTGACC
633	GATGGTGGACTGGAGCCCTTCCGC	GCGGAAGGGCTCCAGTCCACCATC
634	CCGCGCATAGCGCAATAGGGGAGA	TCTCCCCTATTGCGCTATGCGCGG
635	TCTTCTGGCTGTCCGGCACCCGAA	TTCGGGTGCCGGACAGCCAGAAGA
636	GCGTTCGCAATTCACGGGCCCTTA	TAAGGGCCCGTGAATTGCGAACGC
637	TCGTTTCGGCCTTGAGAGTATCG	CGATACTCTCCAAGGCCGAAACGA
638	AGGTGCAAGTGCAAGGCGAGAGGC	GCCTCTCGCCTTGCACTTGACCT
639	CGCCAGTTTCGATGGCTGACGTTT	AAACGTCAGCCATCGAACTGGCG
640	GCTTTACCGCCGATCCCAGATATC	GATATCTGGGATCGGCGGTAAAGC
641	GTGCTTGACGAAGAGGCGAAATGT	ACATTTGCGCTCTTCGTCAAGCAC
642	CAGTCCGTGCGCTTCATGTCCTCA	TGAGGACATGAAGCGCACGGACTG
643	TACGCGTAAGAGCCTACCCTCGCG	CGCGAGGGTAGGCTCTTACGCGTA
644	GGCGAGTCTTGTGGGGACATGTGT	ACACATGTCCCCACAAGACTCGCC
645	CCAAAGCGAAGCGAGCGTGTCTAT	ATAGACACGCTCGCTTCGCTTTGG
646	GCCGTAGGTTGCTCTTCACCGAAC	GTTCCGGTGAAGAGCAACCTACGGC
647	AAATCCGCGATGTGCCGTGAGGCT	AGCCTCACGGCACATCGCGGATTT
648	GGCTTCGCACCCGTACCAATTTAG	CTAAATTGGTACGGGTGCGAAGCC
649	TGTAGAGTCCCACGTAGCCGGCAT	ATGCCGGCTACGTGGGACTCTACA
650	CACTAGTCTGGGGCAAGGTGCATT	AATGCACCTTGCCCCAGACTAGTG
651	TGTACTCGGCAGGCGCAATAGATT	AATCTATTGCGCCTGCCGAGTACA
652	AACGGGTATCGGAAGCGTAAAAGC	GCTTTTACGCTTCCGATACCCGTT

5

10

15

20

25

30

35

40

653	CGGACTGCCCGTTTGCAAGTTGAG	CTCAACTTGCAAACGGGCAGTCCG
654	ATCGTTCAGCACTGGAGCCCGTAA	TTACGGGCTCCAGTGCTGAACGAT
655	ATGCATCGAACTAGTCGTGACGGC	GCCGTCACGACTAGTTCGATGCAT
656	TTCCAGGCATTAAGGAGAGGGAGC	GCTCCCTCTCCTTAATGCCTGGAA
657	GTGCGACATCTACTCCACGATCCC	GGGATCGTGGAGTAGATGTCGCAC
658	CTCATCGTCCTAACACGAGAGCCC	GGGCTCTCGTGTTAGGACGATGAG
659	AATGGCACTTCGGCGGTGATGCAA	TTGCATCACCGCCGAAGTGCCATT
660	CCGTGGGAGGGAATCCAACCGAGG	CCTCGGTTGGATTCCCTCCCACGG
661	AAATTCTCGTTGGTGACGGCTCAT	ATGAGCCGTCACCAACGAGAATTT
662	TTGCTCTTATCCTTGTCCTGGGCG	CGCCCAGGACAAGGATAAGAGCAA
663	TTAAGGATCAGGCGGAGCTTGACAG	CTGCAAGCTCCGCCTGATCCTTAA
664	CGCGACTAAGGTGCTGCAACTCGA	TCGAGTTGCAGCACCTTAGTCGCG
665	GCTCGATTTACGGCCCGTTGTTC	GAACAACGGGCCGTGAAATCGAGC
666	AGCAGAGTGCGTTGCAGAGGCTAA	TTAGCCTCTGCAACGCACTCTGCT
667	TGGAGGTGAGGACGACGTGCACTA	TAGTGCACGTCGTCCTCACCTCCA
668	AACCGTTTAGGGTACATTCGCGGT	ACCGCGAATGTACCCTAAACGGTT
669	TATGATCGCTCGGCTCACAGTTTG	CAAAGTGTGAGCCGAGCGATCATA
670	GACTTTTTGCGGAAACGTCATGGT	ACCATGACGTTTCCGCAAAAAGTC
671	TGTCGGTTATTCCACCTGCAAGGA	TCCTTGCAGGTGGAATAACCGACA
672	CTATGGTTTGCCTGCGCCGTCGA	TCGACGGCGCAGTGCAAACCATAG
673	AGCAGGGAATTCATCGTTCGCA	TGCGAACGATTGAATTTCCCTGCT
674	CCTAACCGAGCGCTTAGCATTTC	GGAAATGCTAAGCGCTCGGTTAGG
675	CCCGACCCTAACTCGCATTGAATA	TATTCAATGCGAGTTAGGGTCGGG
676	TTGCTTAATGGTGACGCCACGGAT	ATCCGTGGCGTCACCATTAAGCAA
677	GATGCTCGCCGTGTTTAGTTCACG	CGTGAAGTAAACACGGCGAGCATC
678	TCGGATGACGAGTTTCCATGACGG	CCGTCATGGAACTCGTCATCCGA
679	ATGCGGTCTACTTTCTCGATCGGG	CCCGATCGAGAAAGTAGACCGCAT
680	TTGCGAGGCTAAGCACACGGTAA	TTTACCGTGTGCTTAGCCTCGCAA
681	AACTTAATTACCGCCTCTGGCGCC	GGCGCCAGAGGCGGTAATTAAGTT
682	GTGACCGCGAACTTGTTCCGACAG	CTGTGCGGAACAAGTTCGCGGTCAC
683	TGCGGATTACCGATTGCTCTTAA	TTAAGAGCGAATCGGTAATCCGCA
684	TGATAGGGGGCCACGTTGATCAGA	TCTGATCAACGTGGCCCCCTATCA
685	TCGCTCCGTAGCGATTCATCGTAG	CTACGATGAATCGCTACGGAGCGA
686	TGTCAGCTGGTAGCCTCCGTTTGA	TCAAACGGAGGCTACCAGCTGACA
687	AGCGTCGCATGACGCTTACGGCAC	GTGCCGTAAGCGTCATGCGACGCT
688	TCACTCAGCGCTGTGACTGCCTGA	TCAGGCAGTCACAGCGCTGAGTGA
689	GTTTGCGCTATAGTGGGGGACCGT	ACGGTCCCCCACTATAGCGCAAAC
690	GTCGCATTCTGCACTGGCTTCGCC	GGCGAAGCCAGTGCAGAATGCGAC
691	TGATTAGGTGCGGTCCCGTAGTCC	GGACTACGGGACCGCACCTAATCA
692	AAGGGACCTTGGGTGACGGCGAGA	TCTCGCCGTCACCAAGGTCCCTT
693	TCAAATGGCCACCGCGTGTCAATC	GAATGACACGCGGTGGCCATTGTA

694	CTCCGACGACCAATAAATAGCCGC	GCGGCTATTTATTGGTCGTCGGAG
695	GGCTATTCCCGTAGAGAGCGTCCA	TGGACGCTCTCTACGGGAATAGCC
696	TGGATAACCTCTCGGTCCATCCAC	GTGGATGGACCGAGAGGTTATCCA
697	GACCGCTGTACGGGAGTGTGCCTT	AAGGCACACTCCCGTACAGCGGTC
698	GCCACAGAGTTTTAGCAGGGACCC	GGGTCCCTGCTAAAACTCTGTGGC
699	CCCACGCTTTCCGACCACTGACCT	AGGTCAGTGGTCGGAAAGCGTG
700	CATTGACACAATGCGGGGACTGAT	ATCAGTCCCCGCATTGTGTCAATG
701	AGCCACTCGACAGGGTTCCAAAGC	GCTTTGGAACCCTGTGAGTGGCT
702	CAGGATGAGCAAAGCGACTCTCCA	TGGAGAGTCGCTTTGCTCATCCTG
703	CAAGGTATGGTCTGGGGCCTAAGC	GCTTAGGCCCCAGACCATACTTG
704	GGTGTTGCGCCTAAACTCTTTCGG	CCGAAAGAGTTTAGGCCGAACACC
705	TTTAGTCGACCCCTGTGGCAATTC	GAATTGCCACAGGGTCCGACTAAA
706	CACACGTTTCCGACCAGCCTGAAC	G TTCAGGCTGGTCGGAAACGTGTG
707	CTGGACGAACTGGCTTCCTCGTAC	GTACGAGGAAGCCAGTTCGTCCAG
708	TTCACAATCCGCCGAAAACCTGACC	GGTCAGTTTTTCGGCGGATTGTGAA
709	AACAGGATATCCGCGATCACGACA	TGTCGTGATCGCGGATATCCTGTT
710	TACGTCGGATCCATTGCGCCGAGT	ACTCGGCGCAATGGATCCGACGTA
711	CATGGATCTCTCGGTTTGATCGCC	GGCGATCAAACCGAGAGATCCATG
712	AGCCAGGCGCGTATATACGCTCGG	CCGAGCGTATATACGCGCCTGGCT
713	ATTTGGCACGTGTCGTGCCATGTT	AACATGGCACGACACGTGCCAAAT
714	CCGCGTTGCACCACTTTGAGGTGC	GCACCTCAAAGTGGTGCAACGCGG
715	TTGGACGTGACAAGCATGGCGCTC	GAGCGCCATGCTTGTCACGTCCAA
716	CTGAATCGCGCAAGTAAATGGGGG	CCCCATTTACTTGCGCGATTGAG
717	GATAAGGTCCACCAGATTGCGCGC	GCGCGCAATCTGGTGGACCTTATC
718	CTAACAATTGCCAACCAGGACGGC	GCCGTCCCGGTTGGCAATTGTTAG
719	GGTAACCTGGGTGCTTGACAGGTTA	TAACCTGCAAGCACCCAGGTTACC
720	ATCGGAGCCACCATTCGCATTGGG	CCCAATGCGAATGGTGGCTCCGAT
721	GTGAACTGGCTTGCCCCAGGATTA	TAATCCTGGGGCAAGCCAGTTCAC
722	AGGCGATAGCATGGTCCCATATGA	TCATATGGGACCATGCTATCGCCT
723	AACGGTATCGTGGCTAATGCACGA	TCGTGCATTAGCCACGATACCGTT
724	AGTAGTGGTCTCCAGATCGGCAA	TTGCCGATCTGGAGGACCACTACT
725	CCGTTGAATTGGACGGGAGGTTAG	CTAACCTCCCGTCCAATTCAACGG
726	GCATAAGTGCGGCATCGCGAAGGG	CCCTTCGCGATGCCGCACTTATGC
727	CGACAAGATGCAGCTGCTACATGC	GCATGTAGCAGCTGCATCTTGTGCG
728	TCGCAGTGATTCCCGACCGATAAG	CTTATCGGTGCGGAATCACTGCGA
729	CAAGGCGAGTCCACTCGAGGGGAC	GTCCCCTCGAGTGGACTCGCCTTG
730	GCAACTTGCACGGCATAAGTGGCC	GGCCACTTATGCCGTGCAAGTTGC
731	TCCGAGCTTGACGTTGCGGACGTC	GACGTCGCGAACGTCAAGCTCGGA
732	AGCGCTGGGCTGTGCTGCCATCTC	GAGATGGCAGCACAGCCCAGCGCT
733	TTCATGTCGCTGAGTAACCCTCGC	GCGAGGGTTACTCAGCGACATGAA
734	CGAACCGCTAATGCCCATGTGTCAG	CTGACAATGGGCATTAGCGGTTGCG

5

10

15

20

25

30

35

40

735	CACGGAAGGTGGGACAAATCGCCG	CGGCGATTTGTCCCACCTTCCGTG
736	CACAGATGGAGACAAACGCGCCTT	AAGGCGCGTTTGTCTCCATCTGTG
737	TTTTCGCAACTCGCTCCATAACCC	GGGTTATGGAGCGAGTTGCGAAAA
738	ACGTTACGTTTCCGGCGCCTCTAA	TTAGAGGCGCCGAAACGTAACGT
739	TATCGGATTGCGTGCGTTTCAATC	GATTGAAACCCACGCAATCCGATA
740	CTTCCACAATTGTCTGCGACGCAC	GTGCGTCGCAGACAATTGTGGAAG
741	TGCACAAAGGTATGGCTGTCCGGC	GCCGGACAGCCATACCTTTGTGCA
742	TCCGATGCCAGTCCCATCTTAAGA	TCTTAAGATGGGACTGGCATCGGA
743	CTGAAACCGTGCGAATCGAGGTGA	TCACCTCGATTGCGACGGTTTCAG
744	CGGTGTTCCGCGTGTGCAAAAAAT	ATTTTTTCGACACGCGGAACACCG
745	TCTAGCAGGCCTTTTGAATCGCCA	TGGCGATTCAAAAGGCCTGCTAGA
746	GAGTCACCTCTGAGACGGACGCCA	TGGCGTCCGTCTCAGAGGTGACTC
747	TCTTCTGTCATCCTGCAGCAGCAT	ATGCTGCTGCAGGATGACAGAAGA
748	GCGGATGAAACCTGAAAGGGGCCT	AGGCCCCTTTCAGGTTTCATCCGC
749	GGGGCCCCAACTGGTATCAAGCC	GGCTTGATACCAGTTTGGGGCCCC
750	GCATTGGCTTCGGATTCTCCTACA	TGTAGGAGAATCCGAAGCCAATGC
751	AGGCGGCCCAACTGTGAGGTCTTG	CAAGACCTCACAGTTGGGCGCCT
752	ACACCATGTGCTCCGCGCTGCAGT	ACTGCAGCGCGGAGCACATGGTGT
753	ACGATGAACATGAATCGGGAGTCG	CGACTCCCGATTCATGTTTCATCGT
754	CTGCATCCCTGTAGCAGCGCTCCG	CGGAGCGCTGCTACAGGGATGCAG
755	GTGCCGTATTTGACCTGTGCGTT	AACGCACAGGTGCAAAATACGGCAC
756	GCAGTGCGCACTTCAGTTCAAAAG	CTTTTGAAGTGAAGTGCGCACTGC
757	GCGATTTTAAGCGATGCCTTGACG	CGTCAAGGCATCGCTTAAATCGC
758	TAGGTGACCTAGGCTTGCTTGCGG	CCGCAAGCAAGCCTAGGTCACCTA
759	CTGGATACCTTGCTGTGCGGCGC	GCGCCGCACAGGCAAGGTATCCAG
760	CCCCTTACGGCTCGTCGTCTATGC	GCATAGACGACGAGCCGTAAGGGG
761	GCGCTTGCCCGATGCGATGCATTA	TAATGCATCGCATCGGGCAAGCGC
762	TTTCTGTAAGCGGCCTGGGGTTCA	TGAACCCCGAGCCGCTTACAGAAA
763	GGCTGAGGTGAGCGGTAAGGATGA	TCATCCTTACCGCTCACCTCAGCC
764	TCTTGCCCTCCCCGATCTAATTTG	CAAATTAGATCGGGGAGGCCAAGA
765	GGAGGTAACGCCGTGTACGTAGGA	TCCTACGTACACGGCGTTACCTCC
766	GTAATCCATTTGTGGCTGCGTCAA	TTGACGCAGCCACAAATGGATTAC
767	CAAACCCATTCCAGCAGACGCCTG	CAGGCGTCTGCTGGAATGGGTTTG
768	TAGGAGGAATTTGGCATGCGGGCG	CGCCCGCATGCCAAATTCCTCCTA
769	ATAGGTAGGATGTGCCCAGCGTTG	CAACGCCGGGCACATCCTACCTAT
770	GCAAGTGCTTAGCTCGTCAGCCTC	GAGGCTGACGAGCTAAGCACTTGC
771	CTGGCTGTGTGCGCATCTCGTTAAC	GTTAACGAGATGCGACACAGCCAG
772	CTAACGTGCTCTCGCGCAATCACT	AGTGATTGCGCGAGACGACGTTAG
773	TTTTCATAAACGTTGTCCCCGAGC	GCTCGGGGACAACGTTTATGAAAA
774	AGCAGGAGGACGAACCTCCGCTCC	GGAGCGGAGGTTGCTCCTCCTGCT
775	TTCAAGCACCATCGTGCAATCCAA	TTGGATTGCACGATGGTGCTTGAA

5

10

15

20

25

30

35

40

776	AGCGTCGCCAGTGATCGCTAGTGG	CCACTAGCGATCACTGGCGACGCT
777	TACATTCCCTGCCTCCGTGGGCTT	AAGCCCACGGAGGCAGGGAATGTA
778	CGCTTCGCGTATTCAGTAGCGGTT	AACCGCTACTGAATACGCGAAGCG
779	TCGGACGCGTCGACACTCATTATA	TATAATGAGTGTGACGCGTCCGA
780	TCTGAGCAGGCCAGCGCTCCAGCT	AGCTGGAGCGCTGGCCTGCTCAGA
781	TTGAATTGCCAAGCCCTGAAAGCC	GGCTTTCAGGGCTTGGCAATTCAA
782	AGTTTTCGCCTTGATGCGTCGGTG	CACCGACGCATCAAGGCGAAAAC
783	GTTTCATAGGCCACGCGTGCTAAA	TTAGCACGCGTGGCCTATGAAAC
784	GGAGCGAAGACTTCGTCTGCCCAA	TTGGGCAGACGAAGTCTTCGCTCC
785	ATTGGCCGAGGGTGAATGCAGCCT	AGGCTGCATTACCCTCGGCCAAT
786	TGATCCATCCGAATGCTTTTCCAT	ATGGAAAAGCATTGGATGGATCA
787	GCACACAGTTGTCTTGCCCATGA	TCATGGGCCAAGACAACGTGTGC
788	CTGGCGGGCAGTGGAACAAACAAC	GTTGTTTTTCCACTGCCCGCCAG
789	ATCTCCATGCGTAAGACTGCTCCG	CGGAGCAGTCTTACGCATGGAGAT
790	TCTCCTCTCGTCGCAGTTCGTGGA	TCCACGAACTGCGACGAGAGGAGA
791	TAGCGTATTCACTCTTGCCGAGCA	TGCTCGGCAAGAGTGAATACGCTA
792	CAATCAAAAGCCACGGCGCGATGG	CCATCGCGCCGTGGCTTTTGATTG
793	AGCGTCACGGAATTCAGCAGATCT	AGATCTGCTGAATTCGCTGACGCT
794	GACTCCCTGTTAATGCGCCCAAGG	CCTTGGGCGCATTAAACAGGGAGTC
795	TAGGCACTGCCGTTTCAAGTCAA	TTGAATCTGAACCGGCAGTGCCTA
796	AACAGGGTGATAACGGTGGCCAAT	ATTGGCCACCGTTATCACCCTGTT
797	CGTGCGTACCATGTGTAAGTGCGT	ACGCACTTACACATGGTACGCACG
798	GACCAATTCTACTTCGGCAGCCCA	TGGGCTGCCGAAGTAGAATTGGTC
799	ATCGGACCGATTTGCTTTTGCTG	CAGCCAAAAGCAAATCGGTCCGAT
800	TCCGCCGAAGCACACGCTTATTCTG	CGAATAAGCGTGTGCTTCGGCGGA
801	AACGGTACGCATTGTGAGCAGTGT	ACACTGCTCACAATGCGTACCGTT
802	TGGCGACTACTGTTCCCTGAATC	GATTCAGGGGAACAGTAGTCGCCA
803	CAGAGGGGACAGCCGTATGCCTTA	TAAGGCATACGGCTGTCCCTCTG
804	CGGTGGTTTTATCGGAATCTGCGA	TCGCAGATTCCGATAAAACCACCG
805	TTGGCCTCCGACCTCACGACATAT	ATATGTCGTGAGGTCGGAGGCCAA
806	CGTTTCGCTAGCATCTGGCGCCGA	TCGGCGCCAGATGCTAGCGAAACG
807	ACTAAGCGGTGGAGCCGGTGGATG	CATCCACCGGCTCCACCGCTTAGT
808	ATATTGGCTGCGTTTACGGGCCGC	GCGGCCCCGTAAACGCAGCCAATAT
809	CCGCTATGGTGGCAATCCCGATAC	GTATCGGGATTGCCACCATAGCGG
810	GTTGCATGTGGCTCAGGCGGCATA	TATGCCGCCTGAGCCACATGCAAC
811	ATTCTGGGGAGTGACCCAGGGCTT	AAGCCCTGGGTCACTCCCCAGAAT
812	CTCTCCAAGGAGACGAGCCAATGT	ACATTGGCTCGTCTCCTTGAGAG
813	GAAAGGACGGGATTTGGGGGCTAA	TTAGCCCCCAAATCCCGTCCTTTC
814	TATGTAGTACCTTGGCTCGCGCCA	TGGCGCGAGCCAAGGTACTACATA
815	TCCCTTTCGATGAGCGGCTGTACT	AGTACAGCCGCTCATCGAAAGGGA
816	TAGATCGGGCAGAGCCCGTATCTT	AAGATACGGGCTCTGCCCGATCTA

817	GGAATGCTTTAGGCTGCCGAGCTG	CAGCTCGGCAGCCTAAAGCATTCC
818	ATGGTAGCAACATTCAACGCCAGG	CCTGGCGTTGAATGTTGCTACCAT
819	CTATGAAACGTGTGGCCCAGCAAC	GTTGCTGGGCCACACGTTTCATAG
820	ATGTTGCTAGTGCCTTTCGGGCCT	AGGCCCGAAAGGCACTAGCAACAT
821	CCAATGTGCGCAGACTCAGTCATT	AATGACTGAGTCTGCGCACATTGG
822	GATAGTGCTCGCAAACGGGCCTTC	GAAGGCCCGTTTTCGAGCACTATC
823	GCACCCTGTTGCCTCATTGAGCGT	ACGCTCAATGAGGCAACAGGGTGC
824	GGCGTGAATAGAGTGACCAGGCGG	CCGCCTGGTCACTCTATTACGCC
825	ACGTGCCAGCTGCGGGCACTTTAT	ATAAAGTGCCCGCAGCTGGCACGT
826	AGTGGAATAGTCGCGTCGTGCCGC	GCGGCACGACGCGACTATTCCACT
827	ACTCGCCTATTACCGCTGGATTGG	CCAATCCAGCGGTAATAGGCGAGT
828	GAGACCGGATTGAGATGATCCCGT	ACGGGATCATCTCAATCCGGTCTC
829	CTGGCAGTTTACCACCGAACCAGT	ACTGGTTCGGTGGTAAACTGCCAG
830	TTACATTGCCGATTTTCGCATGTGA	TCACATGCGAAATCGGCAATGTAA
831	TAAAACTGAAGGGTCGCCTCAGCA	TGCTGAGGCGACCCTTCAGTTTTA
832	GGCTTCGCATGCCTTTGCAACATT	AATGTTGCAAAGGCATGCGAAGCC
833	AAGACCGAAGGTCTCTCTGAGGGC	GCCCTCAGAGAGACCTTCGGTCTT
834	GCCTATGGCTCCAGCTCAGCAGTA	TACTGCTGAGCTGGAGCCATAGGC
835	CGTATCATAGCGTTTCGGTGGACAA	TTGTCCACCGAACGCTATGATACG
836	CATGCGCTCGCACTCTGCCTGTCT	AGACAGGCAGAGTGCGAGCGCATG
837	TGGGCAATTCGGAACGTCGGTCT	AGACCGACGTTTCCGAATTGCCCA
838	TTGCGGAGATGCGACGGTACATTG	CAATGTACCGTCGCATCTCCGCAA
839	ACTTTCGCACGTCGATCTGGACTG	CAGTCCAGATCGACGTGCGAAAGT
840	CTAACTGCCGCGGCAAACTGATTA	TAATCAGTTTGCCGCGGCAGTTAG
841	GGCCGCGGATTTTATTCCTTGAT	ATCCAAGGAATAAAATCCGCGGCC
842	GAATTTGGAACGGTGTTCCGATGA	TCATCGGAACACCGTTCCAAATTC
843	GTCCATCCATCTACGGCATCAGGA	TCCTGATGCCGTAGATGGATGGAC
844	TAAACGACCTGGCACATGTGCGTA	TACGCACATGTGCCAGGTCTTTTA
845	CACCATCCAAGAGCCAATCCTAGG	CCTAGGATTGGCTCTTGGATGGTG
846	ACTCATATACGATCAGTCCGCCGC	GCGGCGGACTGATCGTATATGAGT
847	GTGCCAACCGACGATCAACCGAAC	GTTGCGTTGATCGTCGGTTGGCAC
848	TGGGGTTTCGTACAGGTCGGTTCAT	ATGAACCGACCTGTACGAACCCCA
849	AACAGTAGAGGCGAGGCCTGCGGG	CCCGCAGGCCTCGCCTCTACTGTT
850	TGCATCGAATCCGAGATGGATCTT	AAGATCCATCTCGGATTTCGATGCA
851	GCGTCACGTTATGTCCGCTCTGTC	GACAGAGCGGACATAACGTGACGC
852	GGGACATGCGTAGCGCAATATCAC	GTGATATTGCGCTACGCATGTCCC
853	CACACGTCACACCATCCAAAGTGG	CCACTTTGGATGGTGTGACGTGTG
854	ATGCTCAGGTGCTAAATACGGCCA	TGGCCGTATTTAGCACCTGAGCAT
855	AAAAATGTTTAGCGCGCTGACTGG	CCAGTCAGCGCGCTAAACATTTTT
856	ATAGTCCGTTTCCGTTCCCAACGA	TCGTTGGGAACGGAACGGACTAT
857	TCGATCTTCTGGGTTGCAGACCAG	CTGGTCTGCAACCCAGAAGATCGA

858	GTCGGCGCAGCCGATCCTCATGTC	GACATGAGGATCGGCTGCGCCGAC
859	GTTGCGGGGTGTCGAAAAGGATCT	AGATCCTTTTCGACACCCCGCAAC
860	ATCTCTTCCTCGGGTGATGCCAG	CTGGCATCCACCCGAGGAAGAGAT
861	TGATGTGCGTTTCAGCTTTTCGCG	CGCGAAAAGCTGAAACGCACATCA
862	GTTAAGGGGTGAGAACATCCGGCC	GGCCGGATGTTCTCACCCCTTAAC
863	AAGTCGTCTCCCTGCGTCTCGTCC	GGACGAGACGCAGGGAGACGACTT
864	CCGACCTAATAAGGCGCAACAATG	CATTGTTGCGCCTTATTAGGTCGG
865	CATCATTGGCACCGTACCAATGCC	GGCATTGGTACGGTGCCAATGATG
866	TGGAGAAAGGGAAGTGCAGCAACG	CGTTGCTGCACTTCCCTTTCTCCA
867	TGGTACTCCTTGTCATGCCTGCCA	TGGCAGGCATGACAAGGAGTACCA
868	GGCACAGGTTCTCTTGACGCGCGG	CCGCGCTGCAAGAGAACCTGTGCC
869	GAATCTGGGCATTGCTACGAGACC	GGTCTCGTAGCAATGCCAGATTTC
870	CGAAATGGGAGCGTCCACTACCAC	GTGGTAGTGGACGCTCCCATTTCG
871	ACATATGAGCTCGCGTGCTTGCAT	ATGCAAGCACGCGAGCTCATATGT
872	TCGAGCACGGTCACTGATAAAGCC	GGCTTTATCAGTGACCGTGCTCGA
873	GAGGGTCCCTGCTCAGAGTTGGTT	AACCAACTCTGAGCAGGGACCCTC
874	AAATGCGATCGCCCTTATGGAAT	ATTCCATAAGGGGCGATCGCATTT
875	CTACCCGAATGGATTGCGGATGGC	GCCATCCGCAATCCATTGCGGTAG
876	AGGGACTGGCAGGTCTCTGCGCGT	ACGCGCAGAGACCTGCCAGTCCCT
877	TAACGATCCATTCCACGAATGCAG	CTGCATTCTGGAATGGATCGTTA
878	GGCCGCACGTACGATTACGCCTTG	CAAGGCGTAATCGTACGTGCGGCC
879	TGGGGAATGCATCAGTTGTTGGCT	AGCCAACAACCTGATGCATTCCCCA
880	TATCTGGGAGTAGCAGGCAGGGCC	GGCCCTGCCTGCTACTCCCAGATA
881	CCGAAGGTTTCACGCTCAGGTCGC	GCGACCTGAGCGTGAAACCTTCGG
882	GAACCCAGCTGGGACATCCTTCAG	CTGAAGGATGTCCAGCTGGGTTC
883	TGCATGCGAGCAAATAACCCGGAC	GTCCGGGTTATTTGCTCGCATGCA
884	AATTGTCCGCCAAACGCTTTTCAG	CTGAAAAGCGTTTGGCGGACAATT
885	GTCGGCTTCGAGCGATCGAGTGTG	CACACTCGATCGCTCGAAGCCGAC
886	TCGCGTGCTCTACGTAGCCCATGA	TCATGGGCTACGTAGAGCACGCGA
887	GGCTTCCGCGATAACGTAATTGCG	GCGAATTACGTTATCGCGGAAGCC
888	TGTAGCCGACTAGGGCCGAAGCCC	GGGCTTCGGCCCTAGTCGGCTACA
889	AAGCGAACGCCCTGGCTGAATATT	AATATTCAGCCAGGGCGTTTCGCTT
890	TGTCACGCGACGTGCTGCAGATTT	AAATCTGCAGCACGTGCGGTGACA
891	CCGTGTCCGTGTTGTGACAGGCG	CGCCTGTGACAACACGGACACGG
892	CCCCACACGTTGCGCCTATATGTG	CACATATAGGCGCAACGTGTGGGG
893	GGCGGGCACAACTCAACACAGATG	CATCTGTGTTGAGTTGTGCCCGCC
894	CGACTGCGGGATCACCGGTGATTA	TAATCACCGGTGATCCCGCAGTCG
895	TCGGGACATGACCGGTACGGAGTC	GACTCCGTACCGGTCATGTCCCGA
896	TACCTCGAGTGGCCGTTGATCGGG	CCCGATCAACGGCCACTCGAGGTA
897	TAATTCATGGGGCTAGCCGAACCA	TGGTTCGGCTAGCCCCATGAATTA
898	ACACTCTAAGCCGATTCCGTTCTGA	TCGAACGGAATCGGCTTAGAGTGT

5

10

15

20

25

30

35

40

899	GTGGGCGTGAGTGACACGCACAAA	TTTGTGCGTGTCACTCACGCCCAC
900	ACGACTCCTCGGGCAAAGTACGTA	TACGTACTTTGCCCAGGAGTCGT
901	TGTGGTCATGGCGCTACTGTTTTTC	GAAAACAGTAGCGCCATGACCACA
902	CTTTCGCTAGCCAGAGCGGGTTCC	GGAACCCGCTCTGGCTAGCGAAAG
903	ACAGGGCGTGTTAGCGTGTGACAA	TTGTCACACGCTAACACGCCCTGT
904	GGTACTTCCGGCGTATCGGGCCAC	GTGGCCCGATACGCCGGAAGTACC
905	GTGGGTTTTGTTACCCCTTCTGGG	CCCAGAAGGGTGAACAAAACCCAC
906	ACGCAATTCCGCATTACTTACCCG	CGGGTAAGTAATGCGGAATTGCGT
907	CGCCTCGACTGCGGTCAAGCACAA	TTGTGCTTGACCGCAGTCGAGGCG
908	GTGAAATGGATCCAGAGAGGGCCA	TGGCCCTCTCTGGATCCATTTCAC
909	TATAACGCTGCAGGGCTCCGTTA	TAACGGAGCCCTGCAGCGTTTATA
910	GTTATTCAGGCGGCTTGTAACGGG	CCCGTTACAAGCCGCCTGAATAAC
911	GGGTTCTAGCGTGCGCGTTCAGTT	AACTGAACGCGCACGCTAGAACCC
912	TTGGGCTCGAGCGGTACACCACTA	TAGTGGTGTACCGCTCGAGCCCAA
913	CCGTCTTCAGGACAACGGTATGCG	CGCATACCGTTGTCCTGAAGACGG
914	GGACCCCTTGACAGATTGCGGCAC	GTGCCGCAATCTGTCAAAGGGTCC
915	TAAATTTTATCGCCAGGCGGCGCT	AGCGCCGCCTGGCGATAAAATTTA
916	GCCGAACGCAAGATCGCTTGAAC	AGTTCAAGCGATCTTGCGTTCGGC
917	TAGGCCATTGGTGCCCTAAGACGG	CCGTCTTAGGGCACCAATGGCCTA
918	CAAACCACAGCTTACAGGCTGCGT	ACGCAGCCTGTAAGCTGTGGTTTG
919	TAAACGGAGACTGGCACGGTAGCA	TGCTACCGTGCCAGTCTCCGTTTA
920	TAGCGCGCATCACACTTGGAATCG	CGATTCCAAGTGTGATGCGCGCTA
921	TGCTGACACAAACGAGCCGTTTCG	CGAAACGGCTCGTTTGTGTCAGCA
922	CGCTTAACGGCATTGACTGTCCAC	GTGGACAGTCAATGCCGTTAAGCG
923	TTCCACGGCCGTGTATTACGGATA	TATCCGTAATACACGGCCGTGGAA
924	TTTATGCCGTTGCCGAGGAAGACT	AGTCTTCCTCGGCAACGGCATAAA
925	AGTGCCGAGATAGGGGACTGGGCG	CGCCCAGTCCCCTATCTCGGCACT
926	CTAGTCTCCACGCCCTCGGGACGA	TCGTCCCGAGGGCGTGGAGACTAG
927	CCGCCATTTCGGAAGATGGATGATG	CATCATCCATCTTCCGAATGGCGG
928	TGACGGTGAAAGTCGATTGCGAAG	CTTCGCAATCGACTTTCACCGTCA
929	ATATGCGTCACCACCCGGTTCCGA	TCGGAACCGGGTGGTGACGCATAT
930	CCATCAGTGAAGGGGTTGCTGCCA	TGGCAGCAACCCCTTCACTGATGG
931	CATATGTGCTTGGCTTGCGATGAC	GTCATCGCAAGCCAAGCACATATG
932	TCTGCTTTGGAAGCCTGAACTGCT	AGCAGTTCAGGCTTCAAAGCAGA
933	CGATTTGGTCAAGAAGGCGGAAAT	ATTTCCGCCTTCTTGACCAAATCG
934	ATCAGAGGCCTTCCCGCCTCGTTA	TAACGAGGCGGGAAGGCCTCTGAT
935	ATTGTTGTCGTTGCCACATCGCAG	CTGCGATGTGGCAACGACAACAAT
936	TGAAATGTGTCTGGACGCGAGTCT	AGACTCGCGTCCAGACACATTTCA
937	GCGGGCGATGCTCCTTAAAGGGTA	TACCCTTTAAGGAGCATCGCCCGC
938	CCGCAATCTCCATGCGTCGACCGT	ACGGTCGACGCATGGAGATTGCGG
939	TGCCGCGTAATCACCTGGAACCTTG	CAAGTTCAGGTGATTACGCGGCA

940	TTCCAGTAGCCAGCGGTAGTGTGA	TCACACTACCGCTGGCTACTGGAA
941	CTGAATTCCGCCTATTGTTCCGCA	TGCCGAACAATAGGCGGAATTCAG
942	GCTTGAACCTCGAGGCGATGTTCT	AGAACATCGCCTCGAGGTTCAAGC
943	CAAGCGTGGAAGTACGACCCGCCA	TGGCGGGTCGTACTTCCACGCTTG
944	GTGTGCACTGGATCCGAGCCCTAG	CTAGGGCTCGGATCCAGTGCACAC
945	TCCCTGGGCTAGCATTGCGAGGTT	AACCTCGCAATGCTAGCCCAGGGA
946	AGAACCAAAGACGCTTGTGTTGCCG	CGGCAAACAAGCGTCTTTGTTTCT
947	CGTCACATGCAAACGTTCCCTCCC	GGGAGGGAACGTTTGCATGTGACG
948	TGACCGCATGTGTATTGAGTCGCT	AGCGACTCAATACACATGCGGTCA
949	GCGGGCCCAATGAGTATCCGTCAT	ATGACGGATACTCATTGGGCCCCGC
950	TAGTGA CTGTGAACGCCCTGGTT	AACCAGGGGCGTTTACAGTCACTA
951	GGCACCGTCTGCCGCGCGTATATC	GATATACGCGCGGCAGACGGTGCC
952	TCGATGCAGTCTTTTTCCCGTCAA	TTGACGGGAAAAAGACTGCATCGA
953	ACCCCGTGGGGTTTTCGCCATTTTT	AAAAATGGCGAAACCCACGGGGT
954	CTACACGCGCAGTTGTGACTTGTG	CACAAGTCACAACTGCGCGTGTAG
955	CGCAGCGACCTCATCTCTGGAGCC	GGCTCCAGAGATGAGGTCGCTGCG
956	CGACCCAGCACTCCTAAAATCGGT	ACCGATTTTAGGAGTGCTGGGTGCG
957	ACGCGCCGCTCATCACTACAATCT	AGATTGTAGTGATGAGCGGCGCGT
958	CGCAACTTCCTGTGGCAAAGCCAG	CTGGCTTTGCCACAGGAAGTTGCG
959	TCGTTGGGCACATAAGGCAACTGA	TCAGTTGCCTTATGTGCCCAACGA
960	CCGCTTGTAATTGCCATTCTCCGT	ACGGAGAATGGCAATTACAAGCGG
961	GTAACCAGGGAGTCCTGGGCTGTG	CACAGCCCAGGACTCCCTGGTTAC
962	AGCGCAAGATCTGGGGGCAGTCAC	GTGACTGCCCCCAGATCTTGCGCT
963	GCGTACATCTGCTCATCAGCATGG	CCATGCTGATGAGCAGATGTACGC
964	CCTCTGTGGCAGGAAAGAAACCGT	ACGGTTTCTTTCTGCCACAGAGG
965	CCTATGCAATGGACCTGCATCGGA	TCCGATGCAGGTCCATTGCATAGG
966	CTCGGTGGATGGCGAATAAGGATA	TATCCTTATTCGCCATCCACCGAG
967	CCTCACTCGTGATGGCGTGACGCA	TGCGTCACGCCATCACGAGTGAGG
968	TACGCTCACAGAACGCCATACGCC	GGCGTATGGCGTTCTGTGAGCGTA
969	CCGGAGAAGTTACGCGGATCGGAC	GTCCGATCCGCGTAACCTTCTCCGG
970	GCGCCCTCACTGCATTTTTGGTAT	ATACCAAAAATGCAGTGAGGGCGC
971	ACTTTCAGCACGCGAACAGCGCAA	TTGCGCTGTTTCGCGTGCTGAAAGT
972	CTAAACGCCCTTGATGCATGAGCA	TGCTCATGCATCAAGGGCGTTTAG
973	GCTTGCCTTTTACGATCGTCGCTA	TAGCGACGATCGTAAAAGGCAAGC
974	CAGACATCGTACGCACTCGGCATC	GATGCCGAGTGCGTACGATGTCTG
975	TAGCCGCGCGGCTCCTATGCTCTT	AAGAGCATAGGAGCCGCGCGGCTA
976	GATGCCCTTTTGGTCCCCATGCCA	TGGCATGGGGACCAAAAGGGCATC
977	TGAGCTGCCTTGCCACGATGCCTC	GAGGCATCGTGGCAAGGCAGCTCA
978	CCGCCGTATACGTGCCATAGTTTG	CAAACATATGGCACGTATACGGCGG
979	TAGTGCTCTCCGCGCTCATCCAAC	GTTGGATGAGCGCGGAGAGCACTA
980	CCCTAGATAAGTTGGGGTGGGACG	CGTCCCACCCCACTTATCTAGGG

981	TGAAGGGCCACCTGATATGGTTTC	GAAACCATATCAGGTGGCCCTTCA
982	GCCGCCTCCGACTGGTTAACCCGA	TCGGGTAAACCAAGTCGGAGGCGGC
983	CGCACGGCTACTAACAGCGGATCA	TGATCCGCTGTTAGTAGCCGTGCG
984	CCGGACCAATTCCAACGAGCATCG	CGATGCTCGTTGGAATTGGTCCGG
985	CATTGAGGTCCACCGTTCACATCC	GGATGTGAACGGTGGACCTCAATG
986	AGGACGCAGCATGTCCAGCCGAG	CTCGGCTGGGACATGCTGCGTCCT
987	TAATCGCGGGCCATACTACCAACG	CGTTGGTAGTATGGCCCGCGATTA
988	CGCAAATTTCTCCGGTCGGCAAGC	GCTTGCCGACCGGAGAAAATTTGCG
989	GTGGCTCGACTAATGCCTTGCGTG	CACGCAAGGCATTAGTCGAGCCAC
990	TGTGGGCGTGTTCCGGCTCACTGT	ACAGTGAGCCGGAACACGCCCACA
991	GTTCTTCCTTTTCTGCGGTGGGAA	TTCCCAACCGCAGAAAAGGAAGAAC
992	ACCTCGAGTCAGATTGTGCGCCTT	AAGGCGCACAACTGACTCGAGGT
993	CAAGTGGACAGACGGTTTGTTCGG	CGGAACAAACCGTCTGTCCACTTG
994	TCCAGTTGAGTCGCGCCGACGAGG	CCTCGTCGGCGCGACTCAACTGGA
995	CGCAACAGGTCAGCCCTTATTTGC	GCAAATAAGGGCTGACCTGTTGCG
996	GCCGTGACTCCTGCAATGTCGGTA	TACCGACATTGCAGGAGTCACGGC
997	ATCAGCGCAAGCTGGTCTGAAACA	TGTTTCAGACCAGCTTGCGCTGAT
998	CCCTGGCCAGAACGAGAGGCCATG	CATGGCCTCTCGTTCTGGCCAGGG
999	ACGATCAAGGACTCGTCAGGGTTG	CAACCCTGACGAGTCCTTGATCGT
1000	TTCATGGCACCAAGACCACCGTTA	TAACGGTGGTCTTGGTGCCATGAA
1001	ACAGCAAGGAGATGGATTGCGACG	CGTCGCAATCCATCTCCTTGCTGT
1002	CGTAAATATCTGCGGCGGTGTGAA	TTACACACCGCCGAGATATTTACG
1003	GGAAACACGTGTTCTGTCTGTTGGC	GCCAAACAGACGAACACGTGTTTCC
1004	CGATGTTAGGATTCGGATAGGCCA	TGGCCTATCCGAATCCTAACATCG
1005	ATCGGACAAGGACAAGTGGATGGT	ACCATCCACTTGTCTTGTCCGAT
1006	GCCCGGAGGACAAAGTTCGAGTTA	TAACTCGAACTTTGTCTCCGGGC
1007	AAATCCGACAAATGGGCACATGGA	TCCATGTGCCCATTTGTGCGATT
1008	CAGTTAGGGGATGCGGATGAGTGA	TCACTCATCCGCATCCCCTAACTG
1009	CGGCAGGTGGAGATTCCGACATTG	CAATGTCGGAATCTCCACCTGCCG
1010	TAGGGCAGCCAGTTCACTCATCT	AGATGAGTGAACCTGGCTGCCCTA
1011	GCACCGTATTAGCAGTAGGCACGC	GCGTGCCTACTGCTAATACGGTGC
1012	ACGCATTACAGGTGTGCGAAGGGA	TCCCTTCGCACACCTGTAATGCGT
1013	CGTGA CTGCACGTGTTCCACAGGG	CCCTGTGGAACACGTGCAGTCACG
1014	GCTGAACTACCGCCTAAAATCGCG	CGCGATTTTAGGCGGTAGTTCAGC
1015	AGCACGCCAGGGAGGATCGAGTTA	TAACTCGATCCTCCCTGGCGTGCT
1016	ATGAGGGCAAGGAATGGGTCATGC	GCATGACCCATTCTTGCCCTCAT
1017	GGGTCTCTCGTAATCAAAGGCCGA	TCGGCCTTTGATTACGAGAGACCC
1018	TATCTTGCGCAACGCCTCCATTTA	TAAATGGAGGCGTTGCGCAAGATA
1019	GGTTACACCTACGGAATCCAGCGG	CCGCTGGATTCCGTAGGTGTAACC
1020	ACACCGAGTTGGTCCGGTCAATAG	CTATTGACCGGACCAACTCGGTGT
1021	TCCCAGATTAAACGCTAGCCACCG	CGGTGGCTAGCGTTTAATCTGGGA

1022	TTGGTGAAACTGGCCCGTCGGAAG	CTTCCGACGGGCCAGTTTCACCAA
1023	CCAGGGGAGTTGACAATGAGGCTG	CAGCCTCATTGTCAACTCCCCTGG
1024	TCTGCGTTATTGGACCGTTTGTCTG	CGACAAACGGTCCAATAACGCAGA
1025	TATGGGATGCTAAACCGGCGTACA	TGTACGCCGGTTTAGCATCCCATA
1026	CACAGACGTCTGTCTGGGCTTGTGT	ACACAAGCCCGACAGACGTCTGTG
1027	AGAATGCCGTTTCGCCTACTCCCGT	ACGGGAGTAGGCGAACGGCATTCT
1028	CGACGGATAATGCAGGCCTCATGA	TCATGAGGCCTGCATTATCCGTCG
1029	ACCCTCTAAAGCAATAGGTGCGCG	CGCCGACCTATTGCTTTAGAGGGT
1030	CACTCACGGCAGAAGCCTGCTTGT	ACAAGCAGGCTTCTGCCGTGAGTG
1031	ATCAGCCCACATATTCTCGGCCGT	ACGGCCGAGAATATGTGGGCTGAT
1032	CAAATCTGGGGTCGTCCTAAACGC	GCGTTTAGGACGACCCAGATTTG
1033	TGTCGCCCATGGCAGGTTAAATAC	GTATTTAACCTGCCATGGGCGACA
1034	GGGGGCCCCATCAATTCATTATCGA	TCGATAATGAATTGATGGGCCCCC
1035	GTCGAGCAGCTTTAGTATCGCGGG	CCCGCGATACTAAAGCTGCTCGAC
1036	CCGCTAAGCACC GAAGGCTCACAA	TTGTGAGCCTTCGGTGCTTAGCGG
1037	TAGAATTAGCGAACGGTGATCCCG	CGGGATCACCGTTCGCTAATTCTA
1038	CACATGACATTTGGCAAAGGTCCA	TGGACCTTTGCCAAATGTCATGTG
1039	TCAACGCACTGGCGATGACTAGAT	ATCTAGTCATCGCCAGTGC GTTGA
1040	CGGGAAATGTCTTTAGCCGTCGAA	TTCGACGGCTAAAGACATTTCCCG
1041	ATCAGAGCAAATCTGCAGCGGGGA	TCCCCGCTGCAGATTTGCTCTGAT
1042	GGCCTGTTTCTGTCCA ACTGGGCT	AGCCCA GTTGGACAGAAACAGGCC
1043	ATTTACCTCGCTGATCGCTTCCG	CGGAAGCGATCAGCGAGGTGAAAT
1044	AGTGACGCCGAGTCGCGAGGGTTA	TAACCCTCGCGACTCGGCGTCACT
1045	AGTTGTCTCATCCTGTCCGGGACC	GGTCCCGGACAGGATGAGACAACT
1046	CTTCTTTGTGCACACTTGCCAGGG	CCCTGGCAAGTGTGCACAAAGAAG
1047	CACCTCATCGGAGCATAGCAACCC	GGGTTGCTATGCTCCGATGAGGTG
1048	ATGCGATCCATGACAAGGGTTGCT	AGCAACCCTTGT CATGGATCGCAT
1049	CCCGTGGAGATGATGTGCGGCTTA	TAAGCCGCACATCATCTCCACGGG
1050	CCCAATAGACGCCACAGCCAGTGA	TCACTGGCTGTGGCGTCTATTGGG
1051	AACGACCACGACCCTCGCCGAGTA	TACTCGGCGAGGGTCGTGGTCTGTT
1052	GGTGCTTTGTCTGAGGCGAGTGAA	TTCACTCGCCTCAGACAAAGCACC
1053	CTGTCGGCGCTGCTCTCCGAATTT	AAATTCCGAGAGCAGCGCCGACAG
1054	CTCGCCGGAGTGTTGTAAGCATTG	CAATGCTTACAACACTCCGGCGAG
1055	AGCAATCATGAGAGGTGGCCGGTG	CACCGGCCACCTCTCATGATTGCT
1056	ATTTGCCACCGGCGACAAAAGAT	ATCTTTTTGTGCGCCGGTG GCAAAT
1057	CCGCCCCGTGTTGGCATGTCTTTTG	CAAAAGACATGCCAACACGGGCGG
1058	ATCGGAAGTGCTGACTGACACACG	CGTGTGTCAGTCAGCACTTCCGAT
1059	CCTCAGACCCTATCTGGGTTGACG	CGTCAACCCAGATAGGGTCTGAGG
1060	CTGTGTGGTCTGGTCCGGCTGTTC	GAACAGCCGGACCAGACCACACAG
1061	GTCCCCATTATCGGTGAGTGCAAC	GTTGCACTACCGATAATGGGGAC
1062	ACAGGCACGTAAGTGCTCAATCGG	CCGATTGAGCACTTACGTGCCTGT

5

10

15

20

25

30

35

40

1063	AGCAAGATAGCGGGAGTGCCCCTA	TAGGGGCACTCCCGCTATCTTGCT
1064	GGTTTACGCCATGACATCCCGTCA	TGACGGGATGTCATGGCGTAAACC
1065	GTGCAGGCCTTTGTGTGTGAATCG	CGATTACACACAAAGGCCTGCAC
1066	CTTCGAGGGTAGGGCTTCGAAACG	CGTTTCGAAGCCCTACCCTCGAAG
1067	AGTCGACACTTGGGTTTACCACGG	CCGTGGTAAACCCAAGTGTCGACT
1068	ACATAAATCTCGCCCGCTGCACTC	GAGTGCAGCGGGCGAGATTTATGT
1069	GTTTGGTTTTCCACGGAGGTTTGA	TCAAACCTCCGTGGAAAACCAAAC
1070	GCAGGAACCAGATTAGTGTCCTGG	CCGGGACACTAATCTGGTTCTGCTC
1071	TTTGCTAGAGCGCGGAGCTAAAGC	GCTTTAGCTCCGCGCTCTAGCAAA
1072	CTATGTGGCATCGCTGACATGCTC	GAGCATGTCAGCGATGCCACATAG
1073	CCTAAGTCGGTTTGCAGCTGCTCT	AGAGCAGCTGCAAACCGACTTAGG
1074	GCGTTCGTCCACAGGAACGGAAGG	CCTTCCGTTCTGTGGACGAACGC
1075	TAACCCGCGCCCGAGAAATTGTCT	AGACAATTTCTCGGGCGCGGGTTA
1076	TATGGTGCTCAGAGCTGTTGCCAA	TTGGCAACAGCTCTGAGCACCATA
1077	TCATCGACCCACTAACGTCAGGGC	GCCCTGACGTTAGTGGGTCGATGA
1078	TGCTCAAGCTACGCGTCACTTCCC	GGGAAGTGACGCGTAGCTTGAGCA
1079	AGCGGGAAGGTCTGAGGAGGGAAA	TTCCCTCCTCAGACCTTCCCGCT
1080	CCGATGTAGCACCACCGCAGTGGC	GCCACTGCGGTGGTGCTACATCGG
1081	AAGTTCTGGGAATCACACGGCGCG	CGCGCCGTGTGATTCCCAGAACTT
1082	CACCAGCCTTACGTGCGGCGTTAA	TTAACGCCGCACGTAAGGCTGGTG
1083	CGTTTCGCCTCCTCTTCCGAATGC	GCATTGGAAGAGGAGGCGAAACG
1084	GAGGAGGCCAATAGAGCAGCGCGC	GCGCGCTGCTCTATTGGCCTCCTC
1085	AGTAATCTTGCGGCACACAAGCGG	CCGCTTGTGTGCCGCAAGATTACT
1086	TGAGGACAAACCGCGCGTAGGATA	TATCCTACGCGCGGTTTGTCTCA
1087	TCGTAGAGACGCAGTGCCCATCTC	GAGATGGGCACTGCGTCTCTACGA
1088	CGAAGCTACACCCGAGTGCGGTG	CACCGCACTCGGGGTGTAGCTTCG
1089	ATGATGTGATCTTCCCATGGCTGG	CCAGCCATGGGAAGATCACATCAT
1090	TGTACACGTATCGGTTTCGCCTAG	CTAGGCGAACGCGATACGTGTACA
1091	GGTGTGCTTTTACGCATGTACGCA	TGCGTACATGCGTAAAGCACACC
1092	AGGCGGGATACGTGGATGCTAGCC	GGCTAGCATCCACGTATCCCGCCT
1093	AAATTAGGCACAGCCCTCCCACAG	CTGTGGGAGGGCTGTGCCTAATTT
1094	ATAAGTTTGGTGAGCCATTGCGGA	TCGCGAATGGCTCACCAAACCTTAT
1095	CCTATTTTCGGCGGACCTCGATGCC	GGCATCGAGGTCCGCCGAAATAGG
1096	TTACCGGAATATGCACTTGGCCGC	GCGGCCAAGTGCAATTCCGGTAA
1097	CCTCTCGGACGGTCCCTTTGATCG	CGATCAAAGGGACCGTCCGAGAGG
1098	CAAGCGAATGCTGTATTACGGCCT	AGGCCGTAATACAGCATTCGCTTG
1099	GCATTTCCCATGCCAGAACGTTGA	TCAACGTTCTGGCATGGGAAATGC
1100	GTTTTGGCTAACCGTCTGCCTTG	CAAGGCAGGACGGTTAGCCAAAAC
1101	AGGTTTTGTCCGGGCGAATGATGT	ACATCATTCGCCCGGACAAAACCT
1102	ATGTCCACGAGTGCGTCCGATATC	GATATCGGACGCACTCGTGGACAT
1103	AGACGCGTACGAGGGTTCTGCGCC	GGCGCAGAACCCTCGTACGCGTCT

5

10

15

20

25

30

35

40

1104	AATACCGTTCCCATCTGTGCGAGG	CCTCGCACAGATGGGAACGGTATT
1105	ACACAAGGTGCCTCATCGAATGGT	ACCATTGATGAGGCACCTTGTGT
1106	GCCGGCAAAATCCTACAAAATCCA	TGGATTTTGTAGGATTTTGCCGGC
1107	CTTATCCCATGTGCCGGTCTGACT	AGTCAGACCGGCACATGGGATAAG
1108	GCGGCCATAATGCATAGCACGGAA	TTCCGTGCTATGCATTATGGCCGC
1109	TACGGTGCATCGCAGTATGGGTAA	TTACCCATACTGCGATGCACCGTA
1110	CACCAGATGTGAGGATCATCGCC	GGCGATGATCCTCGACATCTGGTG
1111	GCTCCTACGCCAAAGAGGTATGG	CCATACCTCTTTGGGCGTAGGAGC
1112	AGAATATGGGCAGCAGCAGCACTC	GAGTGCTGCTGCTGCCCATATTCT
1113	CTGCAGTCGCACGCAGTAGACCCG	CGGGTCTACTGCGTGCGACTGCAG
1114	ATGTCCCTGACCGGAATCTTTCCA	TGGAAAGATTCCGGTCAGGGACAT
1115	TTCGCCACGAGGCATTAGTCCGAC	GTCGGACTAATGCCTCGTGCGGAA
1116	ACGTCGTTCCCGAGAATACGGTCT	AGACCGTATTCTCGGGAACGACGT
1117	ATCCGCTGGCGCTTTGACGAAGAA	TTCTTCGTCAAAGCGCCAGCGGAT
1118	TGAACCAAATTCTTACCGCGTGGA	TCCACGCGGTAAGAATTTGGTTCA
1119	CACGCGTAGGCTGGTGTGTCATTC	GAATGACACACCAGCCTACGCGTG
1120	TCGATCCCGCGATCTGGCCTATTG	CAATAGGCCAGATCGCGGGATCGA
1121	GGAACACTCAACCACCGTGGATCT	AGATCCACGGTGGTTGAGTGTTCC
1122	TCACACACCAACTGGCCACAGATG	CATCTGTGGCCAGTTGGTGTGTGA
1123	TGTGCTTAGGACACCAGGCAACCC	GGGTTGCCTGGTGTCTAAGCACA
1124	GACATTTAACCCGACCGATTGTGC	GCACAATCGGTCGGGTTAAATGTC
1125	GGCACCAGCCAGTAGGCCTCTGA	TCAGAGGCCTACTGGCTCGGTGCC
1126	CTCAAGCGTGCATGTTGGTAACCA	TGGTTACCAACATGCACGCTTGAG
1127	AGGAAGGCCACCATCCAATATTCG	CGAATATTGGATGGTGGCCTTCCT
1128	TACGAACGCCAAGGTTATGCCAAT	ATTGGCATAACCTTGGCGTTCGTA
1129	CGCACCAGAGTTATGCAGGCTCAA	TTGAGCCTGCATAACTCTGGTGCG
1130	CCAGCTTGACGAGGAAGGATGTG	CACATCCTTCCTCGTCCAAGCTGG
1131	GTCACGCCTTTCAAATGACCCACA	TGTGGGTCATTTGAAAGGCGTGAC
1132	TGCTAGACCCAGCCCGAGTCTCGG	CCGAGACTCGGGCTGGGTCTAGCA
1133	TATTGTGGCACTTGGGTCCAGTGC	GCACTGGACCCAAGTGCCACAATA
1134	CACGTGTGAGACCGGAAGTGCATC	GATGCACTTCCGGTCTCACACGTG
1135	GGCAGCCTGATGCTACAGCACCGT	ACGGTGCTGTAGCATCAGGCTGCC
1136	CGGTCCGTCCATCCTTCAGAGTTA	TAACTCTGAAGGATGGACGGACCG
1137	CTATTGCGGACCCTACGCAGTTT	AAACTGCGTAGGGTCCGCGAATAG
1138	ACCTGTGCAGTCAGCACGAGTGCG	CGCACTCGTGCTGACTGCACAGGT
1139	GAGAACCACAGGTGGTCCACCCTA	TAGGGTGGACCACCTGTGGTTCTC
1140	CCTCGCTAGAGAAATCCACGGGAT	ATCCCGTGGATTTCTCTAGCGAGG
1141	TAACATCGGTGCAAACCGTGGCGC	GCGCCACGGTTTGACCGATGTTA
1142	ACCCAGAAGACATGGCATTGCGCT	AGGCGAATGCCATGTCTTCTGGGT
1143	AAAAGCGTGCTCTAACACCGCCG	CGGCGGTGTTAGAGCAGCGCTTTT
1144	CAAGTCTGTCCATTTCCAACGGT	ACCGTTGGGAAATGGACAGACTTG

1145	CCGACACATGGTGGGCTTTTTAAG	CTTAAAAAGCCCACCATGTGTGCGG
1146	ACAGACCAGCTTTTTGCGCAGATT	AATCTGCGCAAAAAGCTGGTCTGT
1147	CGGCGATCCATTTCACTTCAAAGT	ACTTTGAAGTGAAATGGATCGCCG
1148	GACGTTATCATGACACAGGTCGCG	CGCGACCTGTGTCATGATAACGTC
1149	GGCAGAGTTGGATCGGATCCTCAA	TTGAGGATCCGATCCAACCTGCCC
1150	CCTCAATGCCACCGAATTCGGTAT	ATACCGAATTCGGTGGCATTGAGG
1151	GGAGTTAGCGTGATTAGTCGCCCA	TGGGCGACTAATCACGCTAACTCC
1152	GAAGTCGACGTGTCACGGAAGGGT	ACCCTTCCGTGACACGTCGAGTTC
1153	CACAAGCGACATTTCTGGTGACG	CGTGCAACCAGAAATGTCGCTTGTG
1154	CCAGAATGCGTGAATTCGCGTCCT	AGGACGCGAATTCACGCATTCTGG
1155	CAAGGGAGCCCTGCGAATTAGAGT	ACTCTAATTCGCAGGGGCTCCCTTG
1156	ATTCTTGCTTCGGACGACTAGCCG	CGGCTAGTCGTCCGAAGCAAGAAT
1157	TGCCACTTTGATTTCCAGATTGCC	GGCAATCTGGAATCAAAGTGCGCA
1158	GATGGTCGGCAGATAAGTGGTGGG	CCCACCACTTATCTGCCGACCATC
1159	GTTACACAGGGTTGACCAACATGT	ACATGTTGGTCAACCCGTGTGAAC
1160	GATTCAATTGCCCCATTCTGCAT	ATGCAGGAATGGGGCAATTGAATC
1161	TACCGGAAACTGAGCCTCGTGCTA	TAGCACGAGGCTCAGTTTCCGGTA
1162	GGATCTTTACTCAGGGGCAGAGCC	GGCTCTGCCCTGAGTAAAGATCC
1163	CGCGAGTGCTTTGTTCTGTGTGGA	TCCACACAGAACAAAGCACTCGCG
1164	GTCGTGCGGATGGCGTACATCCTT	AAGGATGTACGCCATCGCGACGAC
1165	ACGGGAATCTCCCAGAGTGCAGGC	GCTCGCACTTCGGGAGATTCCTGT
1166	GGTCGAAATGAGCCAGCAGCAGAT	ATCTGCTGCTGGCTCATTTGACCC
1167	CCATTGGAATACTGCGTGCGGCTT	AAGCCGCACGCAGTATTCCAATGG
1168	GGAAGACTTCGCGAGGGCACAATG	CATTGTGCCCTCGCGAAGTCTTCC
1169	AGGGTGACTTCGAAGGTCCGAAGT	AGTTGCGACCTTCGAAGTCAACCT
1170	TCGTCCCTCTGGTGGTCAATCAC	GTGATTCGACCACCAGAGGGACGA
1171	TGTGCAAATTATGCTGGGCGTGAG	CTCACGCCCAGCATAATTTGCACA
1172	GTCGCCAACTGTCATGTGTGCCCA	TGGGCACACATGACAGTTGGCGAC
1173	CCTCGAACCCTCAAGACGAAACGA	TCGTTTCGTCTTGAGGGTTGAGG
1174	CTTCATCACGTGACCTTTGTTGCC	GGCAACAAAGGTCACGTGATGAAG
1175	CCTTCATTCCAGCAGGATGGCTT	AAGCCATCCTGCTGGGAATGAAGG
1176	CGGGGACCTCAATGGAGCGTCTTA	TAAGACGCTCCATTGAGGTCCCCG
1177	CGCCTCTAGCGCTTGTTACGTCGA	TCGACGTAAACAAGCGCTAGAGGCG
1178	CTGCCAGACTCAAAACAGGGACGG	CCGTCCCTGTTTTGAGTCTGGCAG
1179	CTCCTTACACCGTGTGAGGGAACC	GGTTCCCTCACACGGTGTAAAGGAG
1180	TTTCATGCCATATCGCCTCGCGCA	TGCGCGAGGCGATATGGCATGAAA
1181	GTCTGACTGTCTGCCCTGTATGCG	CGCATACAGGGCAGACAGTCAGAC
1182	GGTTAATGGAACGGCGTTAACGCG	CGCGTTAACGCCGTTCCATTAAACC
1183	CTTCGCACTGCGGAATCTCAAGCT	AGCTTGAGATTCCGCAGTGCGAAG
1184	TGCCAGAGGCGTAGGAGTCCTGGA	TCCAGGACTCCTACGCCTCTGGCA
1185	GACGGGCGAGCCAGTATTAAGTCA	TGAGTTAATACTGGCTCGCCCGTC

1186	GACCTCCAAAGTCAGTCTTGGCGG	CCGCCAAGACTGACTTTGGAGGTC
1187	CGTTAGAGCATGACCGAACACGTC	GACGTGTTCCGGTCATGCTCTAACG
1188	GTGGGCTCAAAAATTGGGTACGCC	GGCGTACCCAATTTTGGAGCCAC
1189	GGGGCAGAGATCACGCGTTCCTCT	AGAGGAACGCGTGATCTCTGCCCC
1190	TTTCGCCCTACGAAGCGAAGTTTC	GAAACTTCGCTTCGTAGGGCGAAA
1191	TACGGGGTGATGTAAAGCTACGCG	CGCGTAGCTTAACATCACCCCGTA
1192	CCTGTGAGTCTGAGATCGCCGTGT	ACACGGCGATCTCAGACTCACAGG
1193	ACTGAAGCTGGAACAGGCCATTCTG	CGAATGGCCTGTTCCAGCTTCAGT
1194	AGCACTGGTTCACATGGGAGTCCA	TGGACTCCCATGTGAACCAGTGCT
1195	TAAGGAAGATCACACTCCCTGCGC	GCGCAGGGAGTGTGATCTTCCTTA
1196	CACCACACGCTAAAATTGAAGCCG	CGGCTTCAATTTTAGCGTGTGGTG
1197	GCTGTCGCCAGGATCATGTATCGT	ACGATACATGATCCTGGCGACAGC
1198	TTCGTTTCGTGCACTGGATTCTTGA	TCAAGAATCCAGTGCACGAACGAA
1199	TCAGCTCTCCTTGTGCTTGCAAGT	CACTGCAAGCACAAGGAGAGCTGA
1200	ACGACGAGGTGAAGTTCGTGGGAA	TTCCACGAAGTTCACCTCGTCGT
1201	AGCATTGCCGCGGGCCTTGGTTTA	TAAACCAAGGCCCGCGGCAATGCT
1202	CAGAGGGCAGATGTGACTCCTCAA	TTGAGGAGTCACATCTGCCCTCTG
1203	CGATATTTACGCTCTCAAACGCG	CGCGTTTGAGAGGCTGAAATATCG
1204	TGCCAGAAATGTTGCCGATTGAA	TTCAATCGGCAACATTTCTGGCA
1205	TAGGCCACCCGGTGTTCACAATTC	GAATTGTGAACACCGGGTGCCCTA
1206	GAGAGTCAGACCGAGGGACACGAG	CTCGTGTCCCTCGGTCTGACTCTC
1207	GAGGCGATCCTGGAACCACGCAAC	GTTGCGTGGTTCAGGATCGCCTC
1208	CCAGAGAGGCGGGCTACTGACTCA	TGAGTCAGTAGCCCGCCTCTCTGG
1209	CACACAGTCCCATCGTACGGCAGT	ACTGCCGTACGATGGGACTGTGTG
1210	TTACGTTGCGGAAGCGTGCCTCTA	TAGAGGCACGCTTCCGCAACGTAA
1211	ATGTACACGCTGCAATCGTGTCCT	GGGACACGATTGCAGCGTGATCAT
1212	ACTCGTCGTGCGAAGCGCCAGGT	ACCTGGGCGCTTCCGACGACGAGT
1213	ATGCGAGAGCAGAATTGAGCCGGT	ACCGGCTCAATTCTGCTCTCGCAT
1214	AAGTTGGTTCGTATTCACGCGTGC	GCACGCGTGAATACGAACCAACTT
1215	TGGGCTTATCGCCGAAGATTGCTA	TAGCAATCTTCGGCGATAAGCCCA
1216	CAACGGCGAAGACCCAGAATTTTA	TAAAATTCTGGGTCTTCGCCGTTG
1217	AGCGTACGGCGAAAGTCTAGGGAC	GTCCCTAGACTTTCCGCCGTACGCT
1218	ATGCATCCAGCGTCCCCTTGATTA	TAATCAAGGGGACGCTGGATGCAT
1219	ACCGTCATCAGTCGCAGGCTTCTG	CAGAAGCCTGCGACTGATGACGGT
1220	TCTTGACGGCTGGGCATGATTGGA	TCCAATCATGCCAGCCGTCAAGA
1221	TTAACATTTCGGACCCAGGACCTGG	CCAGGTCCTGGGTCCGAATGTTAA
1222	TGGTGTGCAACTCCCTTGCGTGTT	AACACGCAAGGGAGTTCGACACCA
1223	TACTCCAGTCGCTGCGCGCAAAC	GTTTGCGCGCAGGCGACTGGAGTA
1224	CGCAATGCCGTAAGCATGCCAAGC	GCTTGGCATGCTTACGGCATTGCG
1225	AGTCCGCGCGAAATACGAACAGTA	TACTGTTTCGTATTTGCGCGGACT
1226	ATGTTGCACGCGCACTGTATCACA	TGTGATACAGTGCAGGTGCAACAT

5

10

15

20

25

30

35

40

1227	ATCGCCTAACTACCCGCGGCGTGC	GCACGCCGCGGGTAGTTAGGCGAT
1228	TGGCCAGGGAACACAAGCTCGGTA	TACCGAGCTTGTGTTCCCTGGCCA
1229	AAACATGGGTGCGCTCTGAGATCA	TGATCTCAGACGCGACCCATGTTT
1230	GCGAGAGCTGCGATTCCCTTTTAG	CTAAAAGGGAATCGCAGCTCTCGC
1231	CCGGCCAAACAAGAGACGAGCGGA	TCCGCTCGTCTCTTGTGTTGGCCGG
1232	AATGGGGCACAGTCTCGCTTGACA	TGTCAAGCGAGACTGTGCCCCATT
1233	TGTCTCGGGCCTTCAGGACACACT	AGTGTGTCCTGAAGGCCCGAGACA
1234	TCCACCTTCATTAAGTGGTTCGGC	GCCGAACCACTTAATGAAGGTGGA
1235	GCTTCGGAATCATCCACCTGTCAT	ATGACAGGTGGATGATTCCGAAGC
1236	GAGCCGATGGGCTATCGTCGTCGG	CCGACGACGATAGCCCATCGGCTC
1237	CACGAATTACGCACGCACAGAGGA	TCCTCTGTGCGTGCGTAATTCGTG
1238	GCTGTGACGCTCCCCTCAACTAGG	CCTAGTTGAGGGGAGCGTCACAGC
1239	CGCTCTGAAAACGCGGGCTACGTT	AACGTAGCCCGCGTTTTTCAGAGCG
1240	GAGTGCTGGACACCGTAGCCAGGA	TCCTGGCTACGGTGTCCAGCACTC
1241	CCAACCCAGTGTAGGCGCAAATG	CATTTGCGCCTACACTGGGGTTGG
1242	GAAGTAGGGGATGTTGGCCGGCGG	CCGCCGGCCAACATCCCCTACTTC
1243	CAACGTGGGCACCTGTTTTAGCAG	CTGCTAAAACAGGTGCCACGTTG
1244	CTAGCTGCGATCCGAACCTCTACG	CGTAGAGGTTTCGGATCGCAGCTAG
1245	CATTGAACCATCAGCCAAGCTGCG	CGCAGCTTGGCTGATGGTTCAATG
1246	AGACTGGCAATTTTCGAGGCCAA	TTGGCCTCGAAAAATTGCCAGTCT
1247	CTGGCCGTCCATGAGTTGGTCCAG	CTGGACCAACTCATGGACGGCCAG
1248	CATGCTGAAACACGGGATTGCCAT	ATGGCAATCCCGTGTTTCAGCATG
1249	CGATATGTAAGACAGCCGTCGCAA	TTGCGACGGCTGTCTTACATATCG
1250	AGCGTAACCTACTGGGAAGGCACC	GGTGCCTTCCCAGTAGGTTACGCT
1251	GTTCGAACCCCGCGATGTTAAATG	CATTTAACATCGCGGGGTTTCGAAC
1252	GTTGTTAGGAGGCTCGAGGCTGCT	AGCAGCCTCGAGCCTCCTAACAAC
1253	ACTGGTGCTACGCGGGATATTTGA	TCAAATATCCCGCGTAGCACCAGT
1254	CTGGGAGCTATCCTCAGCCGAATC	GATTCGGCTGAGGATAGCTCCAG
1255	GAACCTCGCCGCTGCCGAAGGGTAG	CTACCCTTCGGCAGCGGCGAGTTC
1256	TTCGATCGAGGAGCAAGGAGAGTC	GACTCTCCTTGCTCCTCGATCGAA
1257	GGGGAAAATTGAGGCCTTAGCCAT	ATGGCTAAGGCCTCAATTTTCCCC
1258	CTAAGGTCAAAGCGCTGTGCGCCAG	CTGGCGACAGCGCTTTGACCTTAG
1259	CCGTAGCGGTGCTCGACCAGGTTC	GAACCTGGTCGAGCACCCTACGG
1260	TGGGGACGAATCCGAATGTAGTGA	TCACTACATTTCGGATTTCGTCCTCA
1261	GTCATGTAATTGCATCCACGGGT	ACCCGTGGGATGCAATTACATGAC
1262	CTTTGCGCGGTGGTCAATAAAAAG	CTTTTTATTGACCACCGCGCAAAG
1263	CTCGGGGATGCCCTCTTGGCATT	TAATGCCAAGAGGGCATCCCCGAG
1264	CGAAACGTGGTGCAGAAACCTGAA	TTCAGGTTTCTGCACCACGTTTCG
1265	GGAGTTCACGAGTCGAGCAGTCGC	GCGACTGCTCGACTCGTGAACCTCC
1266	AGCCGTTTTCAAAGATCTCGACGA	TCGTGAGATCTTTGAAAACGGCT
1267	TGGCTGGACATTGTCTGCAATGCA	TGCATTGCAGACAATGTCCAGCCA

1268	ATCGGCTGCCTCAGTCCCTAATTT	AAATTAGGGACTGAGGCAGCCGAT
1269	CCAGCATGGAGTTAAGTGAGCGCG	CGCGCTCACTTAACTCCATGCTGG
1270	TTCATATTTACGAATGCCGGGTGC	GCACCCGGCATTTCGTAAATATGAA
1271	CGAAATCGCACAGGAATTCGCGTC	GACGCGAATTCCTGTGCGATTTTCG
1272	GGCAATTTTCGGGACACTCGTTTCA	TGAAACGAGTGTCCCGAAATTGCC
1273	TTTGTGATTGGGGGTATAACCCGA	TCGGGTTATACCCCCAATCACAAA
1274	CCCAGCTAATCCAGCTTGGGCTGT	ACAGCCCAAGCTGGATTAGCTGGG
1275	AAAATCGTTTGGCTGTAACGTCGC	GCGACGTTACAGCCAAACGATTTT
1276	AGGAGATTCATCGACTTCCGGGAA	TTCCCGGAAGTCGATGAATCTCCT
1277	GCACGGGGTCTCAATGCTTAGGGT	ACCCTAAGCATTGAGACCCCGTGC
1278	GCGCAACAAGTAGCCTACCGAGGC	GCCTCGGTAGGCTACTTGTTCGCG
1279	TAGCAGGCTGATGCCGTCTACACA	TGTGTAGACGGCATCAGCCTGCTA
1280	GCAAGCGGCGATCGTACAACCTGT	ACAAGTTGTACGATCGCCGCTTGC
1281	GCACCTCTGGTAAGCCTGAAAGGG	CCCTTTCAGGCTTACCAGAGGTGC
1282	CGAGGGCGGTGAGTGCATACCGTG	CACGGTATGCACTCACCGCCCTCG
1283	GGATTAACCGGAACTGCCCTTCTG	CAGAAGGGCAGTTCCGGTTAATCC
1284	GATATTGGGTCCGGCGCGCATTAC	GTAATGCGCGCCGGACCCAATATC
1285	GGCCTTTAATCTCCGGTCGCAATG	CATTGCGACCGGAGATTAAAGGCC
1286	AACCTTAGTGCGGCTAGGTGGGGT	ACCCACCTAGCCGCACTAAGGTT
1287	CACGCTGACGCCAGTGTGGTGAGG	CCTCACCACACTGGCGTCAGCGTG
1288	GGTTCCCTTGACCCACCGAATTGA	TCAATTCGGTGGGTCAAGGGAACC
1289	TTCTGACAACATCGACCCTGGCTC	GAGCCAGGGTCGATGTTGTAGAA
1290	GCGAGCGAAGATAATCCCCAACT	AGTTTGGGGATTATCTTCGCTCGC
1291	GTAATCTGTGCAACGGTCCCGAGT	ACTCGGGACCGTTGCACAGAGTAC
1292	ACACGCCAGGAACAGTGTCTGTGA	TCACAGACACTGTTCTGGCGTGT
1293	AAGGGAATTTAGCGCGCGTGACTT	AAGTCACGCGCGCTAAATTCCCTT
1294	TGACGTACGCGTTTTAAGTGGGGA	TCCCCACTTAAACGCGTACGTCA
1295	CTTAGAGGGACGAGGCCATGAATG	CATTCATGGCCTCGTCCCTCTAAG
1296	GGACGACTCCGCAAAAAAGGTCGT	ACGACCTTTTTTTCGGAGTCGTCC
1297	TCAATCCCAACATCCAAAGCCTCA	TGAGGCTTTGGATGTTGGGATTGA
1298	GCACTGGTCTACCAAGCTTGTCCC	GGGACAAGCTTGGTAGACCAAGTGC
1299	ACTTGTGCGAAACGAGACCGAGCA	TGCTCGGTCTCGTTTCCGACAAGT
1300	TCAGGAAAGGCCTAAAGGCGAAAG	CTTTCGCCCTTAGGCCTTTCCTGA
1301	GGAATGTAGTCAAGGAGGACGGGG	CCCCGTCCTCCTTGACTACATTCC
1302	GCACGTGGTAAATGAATTGGCGAG	CTCGCCAATTCATTTACCACGTGC
1303	GATCATCAGGGTTATGCGTCGCG	CGCGACGCATAACCCCTGATGATC
1304	CTCACTCATTCTGATTGCCCGCGG	CCGCGGGCAATCAGAATGAGTGAG
1305	GGGGTGATCTCTGAACGTCACCC	GGGTGACGTTTCGAGAGATCACCCC
1306	AAGGTTGCTGCTAGCGTACCTCGA	TCGAGGTACGCTAGCAGCAACCTT
1307	TATAGATCGCCCAACAGGCAGGAG	CTCCTGCCTGTTGGGCGATCTATA
1308	GTTTGGACCTGTTGGGAGTGGGCA	TGCCCACTCCCAACAGGTCCAAAC

5

10

15

20

25

30

35

40

1309	ATTGGGGAAAACCCGGTCTCAAGG	CCTTGAGACCGGGTTTTCCCAAT
1310	TCGACGATAAAGTGCTCACGGGAC	GTCCCGTGAGCACTTTATCGTCGA
1311	CGATAGAATTCAATGCAGGGCGGA	TCCGCCCTGCATTGAATTCTATCG
1312	CGGTTCGCTACGGCGGCTGGTTTC	GAAACCAGCCGCCGTAGCGAACCG
1313	CCAGGTTTCGGTTAGTCGCGCTAG	CTAGCGCGACTAACCGAAACCTGG
1314	ACGACCTTACACTCGGATCCGACG	CGTCGGATCCGAGTGTAAGGTCGT
1315	TCGCGTTAAATGGACCAAGGGGCC	GGCCCCTTGGTCCATTTAACGCGA
1316	CCAGAAAGAAAATGGCGCCCGGAT	ATCCGGGCGCCATTTTCTTTCTGG
1317	GATACATCGCCGCCTGCTAGGCAC	GTGCCTAGCAGGCGGCGATGTATC
1318	GAGATCACACTCGGAAACCGGATG	CATCCGGTTTCCGAGTGTGATCTC
1319	ACTTCGCGGAAAAAGGCTGGCATT	AATGCCAGCCTTTTTCCGCGAAGT
1320	CCGAGCTGCACGAGCACACAAAGT	ACTTTGTGTGCTCGTGCAGCTCGG
1321	TTCCACAAGGCGGCATAGTGAGGC	GCCTCACTATGCCGCCTTGTGGAA
1322	AGCAAACCTGGAATCCGGAACCAAC	GGTTTTTCCGGATTCCAGTTTGCT
1323	CGCTATGTGCGCAGCATGCATTTAC	GTAAATGCATGCTGCGACATAGCG
1324	AGTCACGCCCAACGTCGGTTCTTT	AAAGAACCGACGTTGGGCGTGA
1325	AGTGGGCGCACTTGGCCTTAAATA	TATTTAAGGCCAAGTGCGCCCACT
1326	ACTTGCAACTTCGGCCGTTTGACT	AGTCAAACGGCCGAAGTTGCAAGT
1327	CAAACATCAGGTTTCATGCCGTACG	CGTACGGCATGAACCTGATGTTTG
1328	AGCGTGACCACCTACAATGGCAA	TTGCCATTGTAGGGTGGTCACGCT
1329	GCAGGCATCCGGCAGAGATGTCTC	GAGACATCTCTGCCGGATGCCTGC
1330	GAGCGGCTAAGAGGCCAGACCAAA	TTTGGTCTGGCCTCTTAGCCGCTC
1331	CACAGAACAGGGTGTTTCCCGCTA	TAGCGGGAAACACCCTGTTCTGTG
1332	ACTTTGCAGAAGGCCCAACACAAG	CTTGTGTTGGGCCCTTCTGCAAAGT
1333	CCTTCCTGGTACTTTGTGGGCGAC	GTCGCCACAAAGTACCAGGAAGG
1334	CTACATGCTCACCCACCAAGAGTG	CACTCTGGTGGGGTGAGCATGTAG
1335	ATTTTCAGAATAGCCCCGCCTCGA	TCGAGGCGGGGCTATTCTGAAAAT
1336	CAATTGCTACGTTGACGCCCTCTG	CAGAGGGCGTCAACGTAGCAATTG
1337	CTGTCGCCTAATCCTCGGTGGCCG	CGGCCACCGAGGATTAGGCGACAG
1338	TTTGTGTTGGCTCCGTACATTGGA	TCCAATGTACGGAGCCAACACAAA
1339	ACGTGACGGGAAGGTGGTTGAATC	GATTCAACCACCTTCCCGTCACGT
1340	AGTTCTTGC GTTGACGAAACAGA	TCTGTTTCGTGCAACGCAAGAACT
1341	GCTCGCCGCGCGTCTTTATGTCTG	CAGACATAAAGACGCGCGGCGAGC
1342	ATGAACATCGCGAGGCAAGCCTTT	AAAGGCTTGCCTCGCGATGTTTAT
1343	CAACCGCGCCACCAACATTAAGG	CCTTAATGTTGGTGGGCGCGGTTG
1344	TGATCGAGGACGGCTTGGTAGCCT	AGGCTACCAAGCCGTCTCGATCA
1345	GGAGGCATGCCCTCCGAGAGCAAC	GTTGCTCTCGGAAGGCATGCCTCC
1346	CACCGATCCTCAACGCAATTGCTA	TAGCAATTGCGTTGAGGATCGGTG
1347	GGCCATGAATTGGGAAATCCATGT	ACATGGATTTCCCAATTCATGGCC
1348	CTGTTCCAGGCGTAACCAGCGGGC	GCCCGCTGGTTACGCCTGGAACAG
1349	TATGTCTGGCTCGCCATCAGAAGA	TCTTCTGATGGCGAGCCAGACATA

1350	GGAGTGACCAGCACAAAGCATCGAG	CTCGATGCTTGTGCTGGTCACTCC
1351	TCGGACTGGAAGTAACTCGCATGA	TCATGCGAGTTACTTCCAGTCCGA
1352	GTAGGGTCAAGCACGATTGAAGCC	GGCTTCAATCGTGCTTGACCCTAC
1353	CACCGGCGGTTTCTGACTAACGTGAC	GTCACGTTAGTCGAACCGCCGGTG
1354	GAATGACGCGCAGTGCATTTGAAC	GTTCAAATGCACTGCGCGTCATTC
1355	GTGCTCGTCTAACCGCGGATAGAG	CTCTATCCGCGGTTAGACGAGCAC
1356	GCGGACCTGGGTTAATTGACGCGC	GCGCGTCAATTAACCCAGGTCCGC
1357	TTTTTGATGTTGCGCACCGGGCTA	TAGCCCGGTGCGCAACATCAAAAA
1358	TTGCGTCAGCGCATCTGCTCGATT	AATCGAGCAGATGCGCTGACGCAA
1359	ATGAGCACGCCAGTTCGTTCCCTTT	AAAGGAACGAACTGGCGTGCTCAT
1360	TCAACGGTAAAGAATCGCCCCGCA	TGCGGGGCGATTCTTTACCGTTGA
1361	CGCGATTGACTGAACCACACCTCT	AGAGGTGTGGTTCAGTCAATCGCG
1362	GCGTGAAAGATGACGGCCGGTATA	TATACCGGCCGTCATCTTTCACGC
1363	CATGATTCCACCTCGATCGGCTAG	CTAGCCGATCGAGGTGGAATCATG
1364	CTACGACAAAGCAACCGTGCAAAA	TTTTGCACGGTTGCTTTGTCGTAG
1365	ATGCCGTGTTTCATCTTGATGGTCC	GGACCATCAAGATGAACACGGCAT
1366	TTCGTGGAGGGACTTTGGAGATCC	GGATCTCCAAAGTCCCTCCACGAA
1367	GAAGCGCCGTAACGTACACCGTCG	CGACGGTGTACGTTACGGCGCTTC
1368	AGCGTGCGCTTGCTATAAGGCTA	TAGCCTTATAGCCAAGCGCACGCT
1369	ACAGTCAGGAGTAACGCCGCTCAA	TTGAGCGGCGTTACTCCTGACTGT
1370	TTTAGCCGCTGCGACTGTAGGAAA	TTTCCTACAGTCGCAGCGGCTAAA
1371	ACTGTGTCGCAATCAACCCGCAAA	TTTGCGGGTTGATTGCGACACAGT
1372	TGCAGCCAATGCGGAACTTAGAGG	CCTCTAAGTTCCGCATTGGCTGCA
1373	CCCGCTATCCCGGTCTTGCACTTC	GAAGTGCAAGACCGGGATAGCGGG
1374	GAGGGCGCAACATATGCAGTGCTG	CAGCACTGCATATGTTGCGCCCTC
1375	CGTACGGACATCGATGACGCAACG	CGTTGCGTCATCGATGTCCGTACG
1376	AGTCTCCCGAGAAACGCATAAGGC	GCCTTATGCGTTTCTCGGGAGACT
1377	AGGAAGTGGATGAACGCGGCTGCA	TGCAGCCGCGTTCATCCACTTCCT
1378	GGGTTGCTCACCCTCGTCATCAGG	CCTGATGACGAGGGTGAGCAACCC
1379	TAGGAATGCGAGTTCCGGCGGTAA	TTACCGCCGGAACCTCGCATTCTA
1380	CTCCTCACTTCCAAGCTGCGGATA	TATCCGCAGCTTGGAAGTGAGGAG
1381	TCAATAGCACCTAGCATGCTCCCG	CGGGAGCATGCTAGGTGCTATTGA
1382	TGATTCTGCGCTTTACAGGTCTG	CGACCTGTGAAAGCGCAGGAATCA
1383	GTATGTGCGGGATGGAAATCACGC	GCGTGATTTCCATCCCGCACATAC
1384	TACGGCAACTGTGATACGAGGGC	GCCCTCGTATCGACAGTTGCCGTA
1385	GGTTCCTATCCAGCACTCCTCGC	GCGAGGAGTGCTGGATAGGGAACC
1386	ATAAGCGCGCCACAGGTATGTACC	GGTACATACCTGTGGCGCGCTTAT
1387	GAAAGTCGCCAACAGACTCGAGCA	TGCTCGAGTCTGTTGGCGACTTTC
1388	CGCTAATGCCTCATAGGCGTGTGC	GCACACGCCTATGAGGCATTAGCG
1389	ATCCCCGCCGCACGAAGTACCAAG	CTTGGTACTTCGTGCGGCGGGGAT
1390	GACGCTGCTGATGGCTTTATCGAT	ATCGATAAAGCCATCAGCAGCGTC

1391	CTCTCCCCGTCGCTTCAGAGATTA	TAATCTCTGAAGCGACGGGGAGAG
1392	TCATGTGGGCCGTCGTATCAGTTT	AAACTGATACGACGGCCCACATGA
1393	GGCCTGAAGGTGAATGGTTACGTG	CACGTAACCATTACCTTCAGGCC
1394	AGCCTCCAAAGCCGGTAGAGTTCC	GGAAGTCTACCGGCTTTGGAGGCT
1395	TTGTCGTAGGCGCTCACCTTAGGA	TCCTAAGGTGAGCGCCTACGACAA
1396	GCCTGAGTCCGGGTCGGGAAAGAA	TTCTTTCCCGACCCGGACTCAGGC
1397	GGCACTATACCGGTTCTGGACGCG	CGCGTCCAGAACCGGTATAGTGCC
1398	CCGTGTATACGGAAAGGTACGCCA	TGGCGTACCTTTCCGTATACACGG
1399	CCCAAGGCAAGTGTGCATCAGTCC	GGAAGTATGCACACTTGCCTTGGG
1400	GGAGTGCATCATGGCCAAATCTGG	CCAGATTTGGCCATGATGCACTCC
1401	CCATGTTACGTCTGCGCACACAG	CTGTGGTGCGCAGACGTAACATGG
1402	GGCGTTGAGCTTAAAAGCAGCGAC	GTCGCTGCTTTTAAGCTCAACGCC
1403	TTGGCACTCTGCAAGATACGTGGG	CCCACGTATCTTGCAGAGTGCCAA
1404	GATCTGCACTGCAAGGTCTTGGGG	CCCCAAGACCTTGCAGTGCAGATC
1405	CGATCAACTTGCGGCCATTCTGCT	GCAGGAATGGCCGCAAGTTGATCG
1406	CGGCTGGGGTCACAGAAACGAGTA	TACTCGTTTCTGTGACCCCAGCCG
1407	GCGGCTAGTTGTACCTAGCGGCTG	CAGCCGCTAGGTACAAGTAGCCGC
1408	TCGTCACTGTTAGAGAGGCCTCCG	CGGAGGCCTCTCTAACAGTGACGA
1409	AGTGTGCTGAGCCCTAGCGGCGCT	AGCGCCGCTAGGGCTCACGACACT
1410	AGGACGCAGGGATTCAAGTGCAAC	GTTGCACTTGAATCCCTGCGTCCT
1411	ACCGATGCGCGGTTCGGTCTCATAC	GTATGAGACCGACCGCGCATCGGT
1412	GGCAGAGGGTTAGGGGGTTTTTTT	AAAAAAACCCCTAACCCTCTGCC
1413	GGCAAAGGGTGTTTATGGGAGACC	GGTCTCCCATAAACACCCTTTGCC
1414	ACAAGGCTTCGGCTGGCAGAATAC	GTATTCTGCCAGCCGAAGCCTTGT
1415	CATATCCGTTCCATCGCCAGACG	CGTCTGGCGATAGGAACGGATATG
1416	AAGCCTTTGTGGCCAAGGCCGCGT	ACGCGGCCTTGGCCACAAAGGCTT
1417	CCGAACCATGGCTTTATCCAGTGT	AACTGGATAAAGCCATGGTTCCG
1418	GTTGAGCAGTAGCTCCCTCCTCGA	TCGAGGAGGGAGCTACTGCTGAAC
1419	GCGCAGTGACACCATGATGCTTTC	GAAAGCATCATGGTGCACTGCGC
1420	ACGATCCATTTTGCCAGCATGCAA	TTGCATGCTGGCAAAATGGATCGT
1421	TCCCTTCATTTCCGGGTTTTTAGCC	GGCTAAAAACCCGAAATGAAGGGA
1422	TCTTCTTGCCACATTCCCTTTTG	CAAAAGGGAATGTGGGCAAGAAGA
1423	TGCCTTTTGATTGGTGGTCACGGT	ACCGTGACCACCAATCAAAAGGCA
1424	GACCCTCACGGTCATCAGAGGGAG	CTCCCTCTGATGACCGTGAGGGTC
1425	CCGTTCAACACAGTGATACACGCG	CGCGTGTATCACTGTGTTGAACGG
1426	CACCAGGGGATAGGTGCGGTACGC	GCGTACCGCACCTATCCCCTGGTG
1427	GGTCGGAAGTATCTGTGCGATCC	GGATCGCACAGATCAGTTCCGACC
1428	TGCTCCTTCCTAGGGTCATCCGTG	CACGGATGACCCTAGGAAGGAGCA
1429	GTGGACTTTGACGCCGGCTACCGC	GCGGTAGCCGGCGTCAAAGTCCAC
1430	CTGATCTGTGCGCGGTTACTTGCC	GGCAAGTAACCGCCGACAGATCAG
1431	AGAGGAGCGGAAAAAACCGGACGA	TCGTCCGGTTTTTTCCGCTCCTCT

1432	GCGACGAAGAGATCCAGCAAGCTC	GAGCTTGCTGGATCTCTTCGTCGC
1433	GGGACTTCCAGCTGAGGGACGAAA	TTTCGTCCCTCAGCTGGAAGTCCC
1434	GGCGCACTCCAATACCCACTGTTT	AAACAGTGGGTATTGGAGTGCGCC
1435	GCGCTTGGAGACTGTCAGGACGTG	CACGTCCTGACAGTCTCCAAGCGC
1436	CAAACCGCTGGTTTCTCCACCTGT	ACAGGTGGAGAAACCAGCGGTTTG
1437	GCGATTGCTTGGGATCGGTGACTA	TAGTCACCGATCCCAAGCAATCGC
1438	CTCAGCGACATTTTTCTGGTGCGC	CGCCACCAGAAAAATGTCGCTGAG
1439	CAGCGGCGTCGTTTACTCAGGACT	AGTCCTGAGTAAACGACGCCGCTG
1440	GACAGCCGTGAACGCTCAGCCGTT	AACGGCTGAGCGTTCACGGCTGTC
1441	GGGCCGTAGAGGCATCGGGTAAAG	CTTTACCCGATGCCTCTACGGCCC
1442	CGCCGCTCACCTGCTTAAAGCATT	AATGCTTTAAGCAGGTGAGCGGCG
1443	TGCCAAATCGCAACTCTTGAGACA	TGTCTCAAGAGTTGCGATTTGCA
1444	CCCCGATCGGGTGTAATTCTCCCT	AGGGAGAATTACACCCGATCGGGG
1445	CAAGGTCCAGGTGACGCAACCACT	AGTGGTTGCGTCACCTGGACCTTG
1446	CGAGCCTTCAGTGGTATGCATGCG	CGCATGCATACCACTGAAGGCTCG
1447	CAGCAGCGTGCCCATCTCGACTTA	TAAGTCGAGATGGGCACGCTGCTG
1448	CGGACCAAGATGGCAGTAATCCAG	CTGGATTACTGCCATCTTGGTCCG
1449	CTACCACGCTCTGCGCGGGCTGTA	TACAGCCCGCGCAGAGCGTGGTAG
1450	ACGTGGTTAGGCATGAGCTGCGTC	GACGCAGCTCATGCCTAACCACGT
1451	CGACATATCCGACATGACCGGATG	CATCCGGTCATGTCGGATATGTGCG
1452	GCGCCCAGGCTGTGTTAGAAAATA	TATTTTCTAACACAGCCTGGGCGC
1453	AGCTGGGACTCCGGACCTTGAGTG	CACTCAAGGTCCGGAGTCCCAGCT
1454	CGGTCGTAACCGCTGCTACAACCT	AAGTTGTAGCAGCGGTTACGACCG
1455	TCGTTCTCTGGAACAATTCAGCA	TGCTGAATTGTTCCAGAGGAACGA
1456	CGGCATCTCCGGACAAAGGTTAAC	GTAAACCTTTGTCCGGAGATGCCG
1457	TATCTTGTCGAGCGCCACTCGGAG	CTCCGAGTGGCGCTCGACAAGATA
1458	TGCAAGGGAGAAAGCCCCATGAGC	GCTCATGGGGCTTTCTCCCTTGCA
1459	ACTGCATAGCCCAGATCCGCTTGC	GCAAGCGGATCTGGGCTATGCAGT
1460	TGTGATTAGTCGAAGCAAGGCCG	CGGCCTTGCTTCGACTGAATCACA
1461	CATCCATCTACAATTCGGGCCAGT	ACTGGCCCGAATTGTAGATGGATG
1462	ATGAGCCGTTTCAAGAAAGCCAAAGA	TCTTTGGCTTTCTGAACGGCTCAT
1463	AACTGGAATTGCTAGACCCCGCG	CGCGGGGTCTAGCAATTCCAGTGT
1464	CTGAGCTGCGTGCGGACAACTCCGC	GCGGAGTTGTCCCACGCAGCTCAG
1465	CAGCTACTAGGGCGCGATGTACCC	GGGTACATCGCGCCCTAGTAGCTG
1466	ATAATGATGGGACGAGAAGGCCCC	GGGGCCTTCTCGTCCCATCATTAT
1467	CGACCGAGTGTTACGACATGGTGC	GCACCATGTCGTAACACTCGGTGC
1468	TGCAGTACCCGCCGCTCCACTAGT	ACTAGTGGAGCGGCGGGTACTGCA
1469	ATGCTAGCGCGCCTGTCAACGTAC	GTACGTTGACAGGCGCGCTAGCAT
1470	AGACTCACTGCCGGCTGATCAAAT	ATTTGATCAGCCGGCAGTGAGTCT
1471	GCCTGGTGCGAAGATAGGGATTCC	GGAATCCCTATCTTCGCACCAGGC
1472	GGAAAGTTGGCGGATCCGAGCACT	AGTGCTCGGATCCGCCAACTTTCC

5

10

15

20

25

30

35

40

1473	GGCAGTGAGCAATGTGTGACGAGG	CCTCGTCACACATTGCTCACTGCC
1474	TGAGGTCCTCCCGGCGGACTACGA	TCGTAGTCCGCCGGGAGGACCTCA
1475	CTCGCCTTAGATCGTGTTCCGCA	TGCGGAACCACGATCTAAGGCGAG
1476	GTCGAGGAATATCATCGCAGCCAG	CTGGCTGCGATGATATTCCTCGAC
1477	GCGAATGCAACGAGACAAGAAGGA	TCCTTCTTGTCTCGTTGCATTGCG
1478	TTCGCCACCAAGTCGGCATTGT	AACAAATGCCGACTTGGTGCGGAA
1479	CGGTGGCTGACACTTGCCGGATTG	GAATCCGGCAAGTGTGAGCCACCG
1480	CAAGGAGCAATCAGATGGTCGGAG	CTCCGACCATCTGATTGCTCCTTG
1481	GTGACCCGGTCCGTTCTAGCTGTG	CACAGCTAGAACGGACCGGGTCAC
1482	CTCTCGCCACATAACTGCACAAA	TTTGTGCAGTTATGTGGGCGAGAG
1483	AAACCTGCCTAAGCAAGCACTGGA	TCCAGTGCTTGCTTAGGCAGGTTT
1484	TTCCATATTGTACCCCGCGCATGC	GCATGCGCGGGGTACAATATGGAA
1485	TGCTTGCGATATCACGATACTGCG	CGCAGTATCGTGATATCGCAAGCA
1486	TTAGTGTTGAGCCTTGAGCCGGC	GCCGGCTCAAGGCTCGAACACTAA
1487	CTTGTTGCGCGAGTCCGTCTGGGA	TCCCAGACGGACTCGCGCAACAAG
1488	GTCAGCTGCCTGCTGGTGCTCTTC	GAAGAGCACCAGCAGGCAGCTGAC
1489	CATCCCTCGAGGTGTAGGCAACAC	GTGTTGCCTACACCTCGAGGGATG
1490	CAGATGCACTCCGACGGGATTCAG	CTGAATCCCGTCGGAGTGCATCTG
1491	CTGAGCCTCGCGAAGCTGTGGCAT	ATGCCACAGCTTCGCGAGGCTCAG
1492	GCTATGCCACGCCGCAGATAGAGC	GCTCTATCTGCGGCGTGGCATAGC
1493	AACACCAACCATAACCGTCCGTTCA	TGAACGGACGGTATGGTTGGTGTT
1494	GCCCAGAGCTAAAGCATGTCTGGG	CCCAGACATGCTTTAGCTCTGGGC
1495	AATGCTGCAATGCTAGCGTCGCTA	TAGCGACGCTAGCATTGCAGCATT
1496	TCCGGACGCAGTATCCAATCCGGA	TCCGGATTGGATACTGCGTCCGGA
1497	TAAGACCATGTGGCACCAAGGTGC	GCACCTTGGTGCCACATGGTCTTA
1498	ACAGCCACACACACGCGCCCACTA	TAGTGGGCGCGTGTGTGTGGCTGT
1499	TAGAACCGAGCACGGCGCCTTGTA	TACAAGGCGCCGTGCTCGGTTCTA
1500	TTCGAGTAAGCTGGCAGGACCACT	AGTGGTCCTGCCAGCTTACTCGAA
1501	CTTTCGCAGGTTTCGCAGACAATCC	GGATTGTCTGCGAACCTGCGAAAG
1502	TACGTCCTGTGCTGTTGACACCGG	CCGGTGTCAACAGCACAGGACGTA
1503	GTTCCGGTCAATGTTTCGGGGAGA	TCTCCCCGAAACATTGACCCGAAC
1504	CCCTGTTGTGAAGGGGTTTTGTGA	TCACAAAACCCCTTCACAACAGGG
1505	GGCAGATTGGTGAACCCCAAGATAA	TTATCTGGGGTTCACCAATCTGCC
1506	CCCTCGGTGTGTTCAAGCCAAATC	GATTTGGCTTGAACACACCGAGGG
1507	CCCGCGAACATTTGAACAGCTTAA	TTAAGCTGTTCAAATGTTTCGCGGG
1508	CCGTGTCAGTTGCTCCCTGGCACG	CGTGCCAGGGAGCAACTGACACGG
1509	TCCGTCTCAGCCGCCTCCCTATCC	GGATAGGGAGGCGGCTGAGACGGA
1510	ATAGCTGGGTCACCACAGGCGGTC	GACCGCCTGTGGTGACCCAGCTAT
1511	ATAGGCAAGCGGTGTAGCACAGCG	CGCTGTGCTACACCGCTTGCCCTAT
1512	TTAGAAGCCGGTCTGGATTTGCGT	ACGCAAATCCAGACCGGCTTCTAA
1513	TGCCGACCTTTACCAGGATCCTCG	CGAGGATCCTGGTAAAGGTCGGCA

1514	GCCACACTATAACCAAGCTGGCA	TGCCAGCTTGTTATAGTGTTGGC
1515	TTGCGCCACTAGTACGGATCTCAA	TTGAGATCCGTAAGTGCGCAA
1516	CTTGCAAGTTTATGCTGACCCGTC	GGACGGGTCAGCATAAACTGCAAG
1517	TGCCTCCAAATTACTTACCGCCGT	ACGGCGGTAAGTAATTTGGAGGCA
1518	CCCGTATGCGGAAGCTATGGGCTA	TAGCCCATAGCTTCCGCATACGGG
1519	TCGTTCAACCCACACTTCAGTTG	CAACTGAAGTGTTGGGTTGAACGA
1520	CAATGTGGGGGACATTTCAAGGTT	AACCTTGAAATGTCCCCACATTG
1521	TAGCGTCGCACAAATGGCTGACCG	CGGTCAGCCATTTGTGCGACGCTA
1522	GGTGGCTTCGTGACAATATCGGCC	GGCCGATATTGTCACGAAGCCACC
1523	CAGCGGCGTCCGAAATTGGCTCTC	GAGAGCCAATTTCCGACGCCGCTG
1524	GGCTTGCTCTCGTTTTTGATTGCA	TGCAATCAAAAACGAGAGCAAGCC
1525	ATGCGAGGAGGACACGACCGTTCC	GGAACGGTCGTGTCCTCCTCGCAT
1526	CCTGTTCACTACGACCCACGGGAA	TTCCCGTGGGTCGTAGTGAACAGG
1527	GTGCCACGGAGTGCGACTGTTGCT	AGCAACAGTCGCACTCCGTGGCAC
1528	ACACATCCAAGTCTGACGATGGCC	GGCCATCGTCAGACTTGATGTGT
1529	CAGCCCGAAAGGAAAGCCTCCGTG	CACGGAGGCTTTCTTTCCGGGCTG
1530	AACTGAATGTAGGTGGGCCCCTGT	ACAGGGGCCCACCTACATTCAGTT
1531	ATTTTCGACGATAAGCTGGCCGGT	ACCGGCCAGCTTATCGTCGAAAT
1532	TGAGGGAGAACCCGAAATCTGCTT	AAGCAGATTTCCGGTTCTCCCTCA
1533	GGCGACTACATCCCAATTGCTTG	CAAGCAATTGGGGATGTAGTCGCC
1534	GCAGACGCGGCCTTCCATACTTTT	AAAAGTATGGAAGGCCGCGTCTGC
1535	ACAACCACATGACGTGTAGCTGCA	TGCAGCTACACGTCATGTGGTTGT
1536	CTGCTGGGCGCGCAAAGCTTGTTG	CAACAAGCTTTGCGCGCCAGCAG
1537	AAGCCTTCTTTGGCTTGCTCCGCT	AGCGGAGCAAGCCAAAGAAGGCTT
1538	TACCTGCTGCCTGGAGCAAGGCAT	ATGCCTTGCTCCAGGCAGCAGGTA
1539	GACGCCGACGCCATGAGTGAGTGT	ACACTCACTCATGGCTGCGGCGTC
1540	AGTTGGCCGCTTATTTTGCTCACC	GGTGAGCAAAATAAGCGGCCAACT
1541	CCAGGCGCCTTCGACAGATCCTCA	TGAGGATCTGTGAAGGCGCCTGG
1542	GTGTCCCCTCCAGCTAGCCAGTTT	AAACTGGCTAGCTGGAGGGGACAC
1543	GACAACAAGCCAAGGTGACACGTC	GACGTGTACCTTGCTTGTGTC
1544	CTACACCGCTCGTGACTCGGCAAA	TTTGCCGAGTCACGAGCGGTGTAG
1545	TGGTGCCATCAAAGCACGTTGTAC	GTACAACGTGCTTTGATGGCACCA
1546	ACAATGCGTGTTGCGAAACGCATA	TATGCGTTTCGCAACACGCATTGT
1547	TTGTCCAGCCATTGTATTTTGC	GCGCAAAATACAATGGCTGGACAA
1548	ACGAGAGATAGCGGACTCCTCCGA	TCGGAGGAGTCCGCTATCTCTCGT
1549	AGCTTTGTCGTGACGGCAGCTCTT	AAGAGCTCGCCTGACGACAAAGCT
1550	GACAGTCGGCGTGAGTTTGTGT	ACAACAAACTGCACGCCGACTGTC
1551	AGCTAGCGACGGCCAACTCACGTA	TACGTGAGTTGGCCGTCGCTAGCT
1552	CTCCTGTTCCGGGCGGTTACTGGT	ACCAGTAACGGCCCCGAACAGGAG
1553	ACTGACCGACGCAAGTCCACATAG	CTATGTGGCACTGCGTCGGTCAGT
1554	AGGTAGGGTCTGGTTTGAAGTCGA	TGCGAGTCAAACCAGACCCTACCT

5

10

15

20

25

30

35

40

1555	CCTCCATTTTAGCGCGTTGCCAAT	ATTGGCAACGCGCTAAAATGGAGG
1556	TTCTTAGGATCCGCGCACTCTTGG	CCAAGAGTGCGCGGATCCTAAGAA
1557	GTCGAAGGTGTCTACCGTGCGCAG	CTGCGCACGGTAGACACCTTCGAC
1558	GTCACCTCGGCGGCCCAATCACTCG	CGAGTGATTGGGCCGCCGAGTGAC
1559	TCTCGGTCACCCGTCTTGACCCTT	AAGGGTCAAGACGGGTGACCGAGA
1560	GCCCTCGACGAACTCATCCTGAAC	GTTCAGGATGAGTTCGTGCGAGGGC
1561	TCCGGCGTACTCTGACACGGCGAT	ATCGCCGTGTCAGAGTACGCCGGA
1562	AGCCAAATGCTTTCGTGGTTCGGA	TCCGAACCACGAAAGCATTGCGT
1563	ACTCCACGCCGCATGTTGCTGTGA	TCACAGCAACATGCGGCGTGGAGT
1564	GCTTCGAGTCGGTGGCATCTGTAT	ATACAGATGCCACCGACTCGAAGC
1565	GGCTTGGGCCATCGACTTGCTGC	GCAGCAAGTCGATGGCCCAAGACC
1566	GGTATCGGACTGCACTAAGGGCAA	TTGCCCTTAGTGCAGTCCGATACC
1567	AGCCCATGCGTTCGGATGATTTG	CAAATCATCCGGAACGCATGGGCT
1568	GCCAGGGTTAAAAGTGATGGGCTC	GAGCCCATCACTTTTAACCTGGC
1569	GACGACGTGCTGGCTACGAAGGGG	CCCCTTCGTAGCCAGCACGTGCTC
1570	TCCTATTGACCGTGCATCGTGATC	GATCACGATGCACGGTCAATAGGA
1571	ACCCGCCTCGACTCCACAATAAA	TTTAGTTGTGGAGTCGAGGCGGGT
1572	GATGTGGATCACGACCTGCCAGTA	TACTGGCAGGTCGTGATCCACATC
1573	GTGCCATTGCCACCCATAATGCGT	ACGCATTATGGGTGGCAATGGCAC
1574	TTAGCCTGTGCACCCAGTCAGGAG	CTCCTGACTGGGTGCACAGGCTAA
1575	TCCGATGGGAGAGGCTGATCTCAC	GTGAGATCAGCCTCTCCCATCGGA
1576	CACTACTGAAGTGGCCTGGCGCTG	CAGCGCCAGGCCACTTCAGTAGTG
1577	TGCGGCCATAGCGATGTGATAGAT	ATCTATCACATCGCTATGGCCGCA
1578	GATTGCGCTTAACGGAGATGCACG	CGTGATCTCCGTAAAGCGCAATC
1579	TCACGTTTGACAACGCCAAGCATT	AATGCTTGGCGTTGTCAAACGTGA
1580	GCATTGTTTGCTAAAGGCGGCATT	AATGCCGCCTTTAGCAAACAATGC
1581	AGTCGCTCTACGCGTGCAACGCTG	CAGCGTTGCACGCGTAGAGCGACT
1582	TAGCTCCATGGAGGTCCGAAAGGG	CCCTTTCGGACCTCCATGGAGCTA
1583	GACCGGTTGGACCTCACTGGCTTC	GAAGCCAGTGAGGTCCAACCGGTC
1584	AAGCCGGACAGTCAATGTGCGTAT	ATACGCACATTGACTGTCCGGCTT
1585	TGCCTCGCTGAGTTCTTCACCGTG	CACGGTGAAGAACTCAGCGAGGCA
1586	TCGTAGACCTTGCTTTTGGGCTCA	TGAGCCCAAAAGCAAGGTCTACGA
1587	ACCGCTATGCGCCCTACAAAGCAT	ATGCTTTGTAGGGCGCATAGCGGT
1588	TAGCGTCACCGTAGCTTGGGGCAG	CTGCCCCAAGCTACGGTGACGCTA
1589	CTCTCAGCAACTGATGGCACCGGA	TCCGGTGCCATCAGTTGCTGAGAG
1590	AAAGGAAATGTGGTGCTGGTCGGC	GCCGACCAGCACCACATTTCTTTT
1591	CCGGCTTAGATGGAGAACAAGTGC	GCACTTGTTCTCCATCTAAGCCGG
1592	AAGTAAATCGCCTCGCCCAAACCG	CGGTTTGGGCGAGGCGATTTACTT
1593	TGGGCTGTTACGCCTACCGGACGT	ACGTCCGGTAGGCTGAACAGCCCA
1594	GTTTCGGTTCAGCCATGGGCCTAC	GTAGGCCCATGGCTGAACCGAAAC
1595	GGCCAACATTTCTAGGGGAGTGCC	GGCACTCCCCTAGAAATGTTGCC

1596	TTCTTCGTTGGGATTGTCCTCACC	GGTGAGGACAATCCCAACGAAGAA
1597	TGCACATTGGGGTACGGATCTGAC	GTCAGATCCGTACCCCAATGTGCA
1598	GGCAGTTAGACGGCAAACCTGCAGG	CCTGCAGTTTGCCGTCTAACTGCC
1599	CGCGTCAGGCTATGAATGGCTCTT	AAGAGCCATTCATAGCCTGACGCG
1600	GCTGAATGCAAACCTCGGAGCCAT	ATGGCTCCGAGGTTTGATTGAGC
1601	CGCTCTGGCGGATTCATTGTTTTTC	GAAAACAATGAATCCGCCAGAGCG
1602	TTTTCAATCAACCCTCCGGACGTA	TACGTCCGGAGGGTTGATTGAAAA
1603	GTGGTGGAGTCTGAAGCACGACAG	CTGTCGTGCTTCAGACTCCACCAC
1604	AAACAGGTCCGGATGATGTCTGGA	TCCAGACATCATCCGGACCTGTTT
1605	GTACCGCGTGTACGCCACCGTTAG	CTAACGGTGGCGTACACGCGGTAC
1606	TCCAACCTACATTTGCGGAAGGAA	TTCCTTCCGCAAATGTAGGTTGGA
1607	GACGTACCGTCGTCCCGTGAGTTG	CAACTCACGGGACGACGGTACGTC
1608	GGCAATCCTACAACCGACGCTGAT	ATCAGCGTCGGTTGTAGGATTGCC
1609	GGCGGCTGCAGGGTCTACATCGAG	CTCGATGTAGACCCTGCAGCCGCC
1610	ATACTACGCTGCAGCTGCGCGGGC	GCCCCGCGCAGCTGCAGCGTAGTAT
1611	GGATCGCAATCCCTCCGATGACGA	TCGTCATCGGAGGGATTGCGATCC
1612	TGGCCTTGACGCGGAGCCGAATCT	AGATTTCGGCTCCCGTGCAAGGCCA
1613	AGGTGCCGACGAAACGACGAATAT	ATATTGTCGTTTCGTCGGCACCT
1614	GCTGTTTCACCGTCGTCGTTGTTG	CAACAACGACGACGGTGAAACAGC
1615	CGGTCCCAATGTTACAACCCAGAC	GTCTGGGTTGTAACATTGGGACCG
1616	GCAATTCCAGCCACTTTTGACCAA	TTGGTCAAAAGTGGCTGGAATTGC
1617	ACGGGCGAAAGCTCGGTACGGATA	TATCCGTACCGAGCTTTCGCCCGT
1618	CGACCCGACTTTTGCTTTCGAGTG	CACTCGAAAGCAAAAGTCGGGTCG
1619	AATTCAGTGTTTGCGTCATGGTCG	CGACCATGACGCAAACTGAATT
1620	CCTGTATGAGGTTCTGGGTCGGCT	AGCCGACCCAGAACCTCATACAGG
1621	TGGCATACTTGGTGCAAACGCCGT	ACGGCGTTTGACCAAGTATGCCA
1622	TCGCCAGTACAGAAACATGCGGGC	GCCCCGATGTTTCTGTACTGGCGA
1623	CCCGCTGTTGCTCTCATCGTGAG	CTCCACGATGAGAGCAACAGCGGG
1624	GCCACAATCTGACCCTGGGAATCA	TGATTCCCAGGGTCAGATTGTGGC
1625	GCTCAGTCTCGGAAGTTTCGGCTA	TAGCCGAAACTTCCGAGACTGAGC
1626	CTTCACGGGCCAACGACGGTCGAG	CTCGACCGTCGTTGGCCCGTGAAG
1627	CGACAGTTCGGTCCGTCTTGAGGA	TCCTCAAGACGGACGGAAGTGTG
1628	ACGGAGACGCGAGTCGAAACGTCCC	GGGACGTTTCGACTGCGTCTCCGT
1629	CATGCATCCGATTAAGGGGATCAC	GTGATCCCCTTAATCGGATGCATG
1630	ATTGCGGGAGTCCCTAGCTTTCTG	CAGAAAGCTAGGGACTCCCGCAAT
1631	GTGTGGAAGATGCAATTGGAACGG	CCGTTCCAATTGCATCTTCCACAC
1632	ATACAACGGTAGGTGACAGGGGCG	CGCCCCGTGCACCTACCGTTGTAT
1633	GCCGTGGGAGTAAGGGTACAAAGG	CCTTTGTACCCTTACTCCCACGGC
1634	GCACGTAGGTGCGCTACTACTCGG	CCGAGTAGTAGCCGACCTACGTGC
1635	ACTGTGATCTCTTGGGCAAAGGGC	GCCCTTTGCCCAAGAGATCACAGT
1636	CATGCCTGAACAATCTCGCATCCC	GGGATGCGAGATTGTTGAGGCATG

5

10

15

20

25

30

35

40

1637	GAGCCTGGCTCCACAGCTGTGCTC	GAGCACAGCTGTGGAGCCAGGCTC
1638	CTTTCGATACCATCGTTGGCGATC	GATCGCCAACGATGGTATCGAAAG
1639	CCCGGAGGTGAGGCATTGAATATG	CATATTCAATGCCTCACCTCCGGG
1640	CTCATTGAGCTAAAAGCGGCTGGA	TCCAGCCGCTTTTAGCTGAATGAG
1641	GAAATGCCCTGGGGACTTTTTGCC	GGCAAAAAGTCCCCAGGGCATTTC
1642	TTTGCCCTTCACAACAGACGCAGCA	TGCTGCGTCTGTTGTGAAGGCAAA
1643	AAATCCCAAGACGTCGGGGCGTAT	ATACGCCCCGACGTCTTGGGATTT
1644	CAACGGGCGGTAGCTAAACCGTAA	TTACGGTTTAGCTACCGCCCGTTG
1645	GGCCAACGACAATGCGAAACCTTC	GAAGGTTTCGCATTGTCGTTGGCC
1646	GACATCACGCAAAATCTCAGCGCA	TGCGCTGAGATTTTGCCTGATGTC
1647	ACGTTCCGTCCACAACCGTATGTT	AACATACGGTTGTGGACGGAACGT
1648	GCTCATAGGTCTTCCGTAGCCCGT	ACGGGCTACGGAAGACCTATGAGC
1649	GAAACGAGTCTCTCGCGCCCTAGA	TCTAGGGCGCGAGAGACTCGTTTC
1650	CGGGACAGAAGCAAGTTACATCGG	CCGATGTAACCTTGCTTCTGTCCCG
1651	TGACCGCTCGATACCAGGAGGGTG	CACCCTCCTGGTATCGAGCGGTCA
1652	CTGGCAATAAAGACCTTCCGACCA	TGGTCGGAAGGTCTTTATTGCCAG
1653	TGCGCGACGTCATGTTGGTGATTA	TAATCACCAACATGACGTCGCGCA
1654	GTTGGTTGTGGGAACACACCCGCT	AGCGGGTGTGTTCCACAACCAAC
1655	TGTGGGTTTCGGAACACAGGAAGT	ACTTCCTGTGTTTCCGAACCCACA
1656	GGAAAAACGGCAATTAGCCGAGT	ACTCGGCTAATTGCCGTTTTTCC
1657	TGGTGCGGAGTGCCCTCTATTGGG	CCCAATAGAGGGCACTCCGCACCA
1658	AACCAACAGGCTGCAGCCAGACT	AGTCTGGGCTGCAGCCTGTTGGTT
1659	AAACAGATCCATCTGCACGCCAGG	CCTGGCGTGCAGATGGATCTGTTT
1660	GGAATACCGCGGCGATTATGGCTT	AAGCCATAATCGCCGCGGTATTCC
1661	TACTGTTTCGCGGCAAACCGTCACT	AGTGACGGTTTGCCGCGAACAGTA
1662	GATCTCTCGTGGAGCACGTTTTCC	GGAAAACGTGCTCCACGAGAGATC
1663	GGCATAGCAAACCTTGACCTCCAA	TTGGAGGTCAAGGTTTGCTATGCC
1664	ATCTGGGATTTCGCGAGCCAATATC	GATATTGGCTCGCGAATCCCAGAT
1665	CGATCAGGATATCATTTACGCCCG	CGGGCGTAAATGATATCCTGATCG
1666	ACGGTACCGAAACGGTCTCAGCGT	ACGCTGAGACCGTTTCGGTACCGT
1667	CTCCCATACCTGCGTTCTTACCGA	TCGGTAAGAACGCAGGTATGGGAG
1668	GCACGAGAACCTAATTGTGCGACA	TGTGCGACAATTAGGTTCTCGTGC
1669	GCCACACGATCAAGACAGCGCATG	CATGCGCTGTCTTGATCGTGTGGC
1670	CCCGTTAACTCACGAGCGGTCAAT	ATTGACCGCTCGTGAGTTAACGGG
1671	AGAGAAGGTCATTGCCTGTGCGTG	CACCGACAGGCAATGACCTTCTCT
1672	CGGGCCCTCTTAAAGTAGAGCAGG	CCTGCTCTACTTTAAGAGGGCCCG
1673	ACATCGCGTCCGAGGGAGTTAGCG	CGCTAACTCCCTCGGACGCGATGT
1674	AATGCCTAATCGAGCCAGCGGATC	GATCCGCTGGCTCGATTAGGCATT
1675	CTCGATCTTTTTAAACCGGCGCTT	AAGCGCCGGTTTAAAAAGATCGAG
1676	CGTTCCTGGAAGGCAGGGTCTCAC	GTGAGACCCTGCCTTCCAGGAACG
1677	CCTGTGCTTACTATCGGCGATCCA	TGGATCGCCGATAGTAAGCACAGG

1678	GTTAGTCGCCCTATTGGCCTGGTT	AACCAGGCCAATAGGGCGACTAAC
1679	CCGGTGAGATGACTGTAAATGCCA	TGGCATTACAGTCATCTCACCGG
1680	CGTGGTTTAAAACATCGCGCTTCG	CGAAGCGCGATGTTTTAAACCACG
1681	TAAGACGCAGAAGATGGGGTCCAC	GTGGACCCCATCTTCTGCGTCTTA
1682	CACCACAGCTTCTTTGTTTCGACCC	GGGTCTGAACAAAGAAGCTGTGGTG
1683	TCGGGTCCGTACCACCACTTTTGC	GCAAAAGTGGTGGTACGGACCCGA
1684	CCAAGCCCCGAGTACCGAAGATTT	AAATCTTCGGTACTCGGGGCTTGG
1685	TCCGTGATATGGTCGTGGCGCGGT	ACCGCGCCACGACCATATCACGGA
1686	TGTCTGTGTCATGGCACCTCGCAT	ATGCGAGGTGCCATGACACAGACA
1687	AGGACTGCACTGTGCACGTCTGAT	ATCAGACGTGCACAGTGCAGTCCCT
1688	CCATCCTCATGTACAGCGCCGCTG	CAGCGGCGCTGTACATGAGGATGG
1689	GTACCCGCGCCTTCCTCGACACAG	CTGTGTCGAGGAAGGCGCGGGTAC
1690	ACGGGTCTGGTCGACTAAGGCTT	AAGCCTTAGTCGACCAGGACCCGT
1691	CGTATCGAAGGCGTGTACAACCGG	CCGGTTGTACACGCCTTCGATACG
1692	TGCCCGCCCTTTATGCAACGCTCA	TGAGCGTTGCATAAAGGGCGGGCA
1693	AAACTTACGAGACGGCGGCTGCCA	TGGCAGCCGCGCTCTCGTAAGTTT
1694	AAGTCTGACAAACGGAACGGGTGT	ACACCCGTTCCGTTTGTGAGACTT
1695	TAAGCGCAGACCAAAGTATGCGGC	GCCGCATACTTTGGTCTGCGCTTA
1696	GCAGTTTTTCAGATCCTCCGCAA	TTTGCGGAGGATCTGAAAACTGC
1697	TCGGAAGCATTTACGCGATCTCAG	CTGAGATCGCGTAAATGCTTCCGA
1698	CACAGAAACGGTTGAACGAACGCC	GGCGTTCGTTCAACCGTTTCTGTG
1699	GCATGCTCAGATGGTCGTGCTCAC	GTGAGCACGACCATCTGAGCATGC
1700	AAGGATTCTCGCTTCCGGCATGAT	ATCATGCCGGAAGCGAGAATCCTT
1701	GGTGGGGTAGCGCTGGTATGAAAA	TTTTCATACCAGCGCTACCCACC
1702	ATTATTACGGGACCGAACCAACGG	CCGTTGGTTCGGTCCCCTAATAAT
1703	GCGCGAGTGTGATGATGTTACGT	ACGTGAACATCATGACACTCGCGC
1704	GACATTCGTGACTTGGTCGTCCGC	GCGGACGACCAAGTCACGAATGTC
1705	TCATTAGTGCAGGCACCGATCAAG	CTTGATCGGTGCCTGCACTAATGA
1706	GAGTTGTGCGGAGTCATCGGAGTC	GACTCCGATGACTCCGCACAACCTC
1707	GCCTTTACAGATTTGGCGGGCTAT	ATAGCCCGCCAAATCTGTAAAGGC
1708	ATGGCGTTTGCGAAGTCGATACAG	CTGTATCGACTTCGCAAACGCCAT
1709	TGCATCGGCCTCAATCAGAGAACT	AGTTCTCTGATTGAGGCCGATGCA
1710	ACAATCATGGCAATCTGGCAAATG	CATTTGCCAGATTGCCATGATTGT
1711	GACGTGGAAGAGTGCAGATCAGCA	TGCTGATCTGCACTCTTCCACGTC
1712	AGGGCAGGGGACGGACAGTAAGTC	GACTTACTGTCCGTCCCCTGCCCT
1713	GCATAGGGCGAATCTAGTACGGGC	GCCCGTACTAGATTGCCCCTATGC
1714	TCCGGCGCATCCTCATTAGCAACT	AGTTGCTAATGAGGATGCGCCGGA
1715	TGGCCGCTTCCACTAATATTGGAC	GTCCAATATTAGTGGAAGCGGCCA
1716	CCGGCGGACGGCTCTTGTCATGA	TCATTGACAAGAGCCGTCCGCCGG
1717	CGAGCAACCCAAAAGGAAGCAGTA	TACTGCTTCCTTTGGGTTGCTCG
1718	GCGTATGATTGCGCAATCCGCCAG	CTGGCGGATTGCCGAATCATACGC

1719	AGTACCGCTACAACGCTGGTTCGC	GCGAACCAGCGTTGTAGCGGTACT
1720	GGGCAGGCCAGGTCCACCTGAGAA	TTCTCAGGTGGACCTGGCCTGCCC
1721	CCACTTCTGTGACCGAACCGTGCT	AGCACGGTTCGGTCACAGAAGTGG
1722	CCTGGTACCAGGCAGCAGTTGATT	AATCAACTGCTGCCTGGTACCAGG
1723	TTAGGGTACCGTCGAGAGACGCCA	TGGCGTCTCTCGACGGTACCCTAA
1724	GGTTGCTTGTGCGCGTGAGGTAGT	ACTACCTCACGCGCACAAGCAACC
1725	TGCTTCGACCGATGAAACTCGAAG	CTTCGAGTTTCATCGGTCTGAAGCA
1726	TGCCACCCATACTATGCCCAGTGG	CCACTGGGCATAGTATGGGTGGCA
1727	TGTGCGGCAACGCGTGAAGACGTT	AACGTCTTCACGCGTTGCCGCACA
1728	TGAGAGAAGCTGGCCTCGGATCAG	CTGATCCGAGGCCAGCTTCTCTCA
1729	TATTGCGAATTCGAGTACGTGCCC	GGGCACGTACTIONCGAATTCGCAATA
1730	CGAGAGGGGTTCGCCAGTGATCGA	TCGATCACTGGGGAACCCCTCTCG
1731	TGCCTGGGGTGTGCTTCTAATTCT	AGAATTAGAACGACACCCCAGGCA
1732	GTGCGTCATTGTGGGTCATCCCAA	TTGGGATGACCCACAATGACGCAC
1733	AGGGCTCCCAGCATACCAACGTTG	CAACGTTGGTATGCTGGGAGCCCT
1734	AACTAGCCGCACCTTTGTGCAGAG	CTCTGCACAAAGGTGCGGCTAGTT
1735	TTAGCCCAGCCCTTCAATGGGAAC	GTTCCCATTAAGGGCTGGGCTAA
1736	CGGCCTCGGTTGTACGGGTAGTCT	AGACTACCCGTACAACCGAGGCCG
1737	TCTTTGAGGCGCGGACCCGCATAT	ATATGCGGGTCCGCGCCTCAAAGA
1738	GATGGTTTCGCCCTTGTGTGCGAGC	GCTGCGACACAAGGGCGAACCATC
1739	GAGATTCAATACAGGCCGCGGGTC	GACCCGCGGCCTGTATTGAATCTC
1740	AGGGCGAAGGAAGGTTCCGTTTTT	AAAAACGGAACCTTCCTTCGCCCT
1741	CTCGACCCCTGCCACTACTGGTTC	GAACCAGTAGTGGCAGGGGTCTGAG
1742	TGTTCCGCGGTCTACGCATTACTG	CAGTAATGCGTAGACCGCGGAACA
1743	GAGACGACGTCCTACACCCGCTAA	TTAGCGGGTGTAGGACGTCTCTCTC
1744	AGATTGCGACAGCGACACGTGATT	AATCACGTGTGCTGTGCGCAATCT
1745	GATACCGTTGGGCATTTCTCGGTA	TACCGAGAAATGCCAACGGTATC
1746	GATTGGGAGGCATTACGCGACGGA	TCCGTGCTGAATGCCTCCCAATC
1747	AGGAGGAAACGAGGGCGTAGGTTT	GAACCTACGCCCTCGTTTCCTCT
1748	GCCAAACAACGTCTGACGCCTAGC	GCTAGGCGTCAGACGTTGTTTGGC
1749	TTTAATGCGGAAAGGATGCACGCG	CGCGTGATCCTTTCCGCATTAAA
1750	TTATCGGCCGTTAAAATGGGATGG	CCATCCCATTTTAACGGCCGATAA
1751	CCTTGGAATTCGTTTCATCGCTAGCA	TGCTAGCGATGAACGAATCCAAGG
1752	AAGTGAACGTGCAGTGGTCTTCGA	TCGAAGACCACTGCACGTTCACTT
1753	TCCTTACCCCTCGTTCAAACGCCT	AGGCGTTTGAACGAGGGGTAAAGGA
1754	ATTCCTGAACCATGCATGGCCTGT	ACAGGCCATGCATGGTTCAGGAAT
1755	AGCGAGACGCTCGATCACGAACATA	TAGTTCGTGATCGAGCGTCTCGCT
1756	GCTGGTCTGGCTCGCTGTTTAGAA	TTCTAAACAGCGAGCCAGACCAGC
1757	CGTGCGCGGCATAAAGATAGGTCT	AGACCTATCTTTATGCCGCGCACG
1758	TCTGGCACTCACATCGGACAGTCT	AGACTGTCCGATGTGAGTGCCAGA
1759	ACCATTGGAGGACCACAGAGCTCC	GGAGCTCTGTGGTCCTCCAATGGT

5

10

15

20

25

30

35

40

1760	TCCAGGGTCGGAGTACATGGCGGG	CCCGCCATGTACTCCGACCCTGGA
1761	ATATGCCGTCGGATCGTACACGCA	TGCGTGTACGATCCGACGGCATAT
1762	TGCTGGCGTCAACACTTCCCGATT	AATCGGGAAGTGTTGACGCCAGCA
1763	CAGGGCGGTGCGGTGAACTAGCCA	TGGCTAGTTCACCGCACCGCCCTG
1764	CATGGACTGCCGTACATCAGCTGG	CCAGCTGATGTACGGCAGTCCATG
1765	CCGGCCATACGCTGGCAAGATTAC	GTAATCTTGCCAGCGTATGGCCGG
1766	AGCGGACACCTGTACTCTCCTCCA	TGGAGGAGAGTACAGGTGTCCGCT
1767	GGAGCCACACCAGTCGAAGATGGT	ACCATCTTCGACTGGTGTGGCTCC
1768	CGCCACCGGAAATTGAAAAGACTG	CAGTCTTTTCAATTTCCGGTGGCG
1769	TGAAACGGATGTTGCTTCTTGACG	CGTCAAGAAGCAACATCCGTTTCA
1770	TTGAAGCGGTGAAGAGCCTGTCT	AGGACAGGCTCTTCACCGCTTCAA
1771	CGAACCAAGCTGCATTGTCAGTGG	CCACTGACAATGCAGCTTGGTTCG
1772	GAGTCTGCGCTTGCAATCTTTGCG	CGCAAAGATTGCAAGCGCAGACTC
1773	GCTGGGTATAGTTGCCTGGCAATG	CATTGCCAGGCAACTATACCCAGC
1774	GCAGGCGTTCCATATTCGCAACCC	GGGTTGCGAATATGGAACGCCTGC
1775	GCGCCAATAACCTCCACCGCG	CGCGGTGGAGGTATTAGTTGGCGC
1776	TGGCGTTCAGTGCAACGCTGGTTA	TAACCAGCGTTGCACTGAACGCCA
1777	CAAACTGACGGGTATGGGAGCGC	GCGCTCCCATACCCGTCAGTTTTG
1778	AGGTGTCGCTGGAACCCGACTTGT	ACAAGTCGGGTTCAGCGACACCT
1779	CTTCCAAAAGCGCAATTGGCTTTG	CAAAGCCAATTGCGCTTTTGGAAG
1780	TCGGGCTTCTCGCAATTCTGTGAG	CTGACAGAATTGCGAGAAGCCCGA
1781	GCCAAAAGAATGCGCTGGGTAGGT	ACCTACCCAGCGCATTCTTTTGGC
1782	TGGTGCCCGCACCGAGAGACTGTA	TACAGTCTCTCGGTGCGGGCACCA
1783	CGAGGCCGTAGTGGGGACTGCTCT	AGAGCAGTCCCCACTACGGCCTCG
1784	CGATCTGCGCATAGAGGGGACTTT	AAAGTCCCCTCTATGCGCAGATCG
1785	TGTGCAATCGGCCTTCTCAGAGCC	GGCTCTGAGAAGGCCGATTGCACA
1786	GATCACCTGGACCGCTACCGTTTT	AAAACGGTAGCGGTCCAGGTGATC
1787	ATGGGGAGTTAAGGACCCTGCACC	GGTGCAGGGTCCTTAACCTCCCAT
1788	CATTGTGGACAGCCAATGGTGGCT	AGCCACCATTGGCTGTCCACAATG
1789	CCATCACCATGCCACGGTAAGATC	GATCTTACCGTGGCATGGTGATGG
1790	GCACCCGTGTCGTTGGTTAGCAAG	CTTGCTAACCAACGACACGGGTGC
1791	GGAGTGGGTTCCGCGAATTCAGTG	CAGTGAATTCGCGGAACCCACTCC
1792	GGGGATTTCTTTTCGAGGCTCGA	TCGAGCCTGCGAAAGGAAATCCCC
1793	CATTGATCATGTGCACTTGACCA	TGGTGCAAGTGACATGATCAATG
1794	AGCAGCGCTGCGCTTGTTTCGGAT	ATCCGAAACAAGCGCAGCGCTGCT
1795	CGAGTAACGCGGTTGCTTTGCGAA	TTCGCAAAGCAACCGCGTTACTCG
1796	TGGCCTGGAACATAGGTGGAAGTC	GAGTTCACCTATGTTCCAGGCCA
1797	CGCACACCAAGCGTTTATTGAGAA	TTCTCAATAAACGCTTGGTGTGCG
1798	TCACCTTCACAGTGGGCATACAGC	GCTGTATGCCCACTGTGAAGGTGA
1799	CAAATATCCCTGAGCCCTCGAGCT	AGCTCGAGGGCTCAGGGATATTTG
1800	GGGAGCTGGTGAGCAGATGTAACG	CGTTACATCTGCTCACCAGCTCCC

5

10

15

20

25

30

35

40

1801	AGGATTGCTTTTGCGTTATGCGGA	TCCGCATAACGCAAAAGCAATCCT
1802	ATCGTTTGGGCGCTACGCAATTGT	ACAATTGCGTAGCGCCCAAACGAT
1803	CCGATTTGTCCCAAATGCAACGTT	AACGTTGCATTTGGGACAAATCGG
1804	AAGGGTCAAGCTCATGGAGCGGAA	TTCCGCTCCATGAGCTTGACCCTT
1805	TCTGACGTCGTTCAAGGGCTCGCT	AGCGAGCCCTTGAACGACGTCAGA
1806	CGCACCCTCCGAGGTATTTGTCT	AGACAAATACCTCGGAGTGGTGCG
1807	AAGGGGTGAAAAAGGAGAAGCCGA	TCGGCTTCTCCTTTTTTACCCCTT
1808	AAACCACGCAAATGGCGATACCAT	ATGGTATCGCCATTTGCGTGTTTT
1809	CAGAAGGGATGACGCCTTAAGTCG	CGACTTAAGGCGTCATCCCTTCTG
1810	CATGACGAGAGCGGACCTGAAGTG	CACTTCAGGTCCGCTCTCGTCATG
1811	CTGGACATGTTTGTTCGCCACTG	CAGTGCGGAAACAAACATGTCCAG
1812	AAGACCGACTCTCGTCGTTTGACAC	GTGCAAACGACGAGAGTCGGTCTT
1813	GCGCGATTACATACCGTTTCCGTA	TACGGAACGGTATGTAATCGCGC
1814	CACTGACCGGACCCAACCTAACAT	ATGTTAGGTTGGGTCCGGTCAGTG
1815	AGTGCAAGTCTAGACACGCCCGAG	CTCGGGCGTGTCTAGACTTGCACT
1816	GGTTGGTGCGAGATCCTGGACTGT	ACAGTCCAGGATCTCGCACCAACC
1817	GGTCGTCCCGAAACGTAAACGAGG	CCTCGTTTACGTTTCGGGACGACC
1818	GACTAGTACGATCACGGGGCGGGT	ACCCGCCCGTGATCGTACTAGTC
1819	CCGACCTGACCCTGTGTACAGGTT	AACCTGTACACAGGGTCAGGTCGG
1820	TGCTCACTGCCACACTGTTATGG	CCATAACAGTGTGGGCAGTGAGCA
1821	CGAGGAAACACATTTCTTCGGGCC	GGCCCGAAGAAATGTGTTTCTCG
1822	TGGCACCGGGTGGATTCTTGTCTA	TAGACAAGAATCCACCCGGTGCCA
1823	GAGGCACGGTGATAGTGGTTGTGC	GCACAACCACTATCACCGTGCCCTC
1824	ATGCAGATGGATCTTTTCGACGC	GCGTCGAAAAAGATCCATCTGCAT
1825	TGCGATAGCCAAAGAGTCGAGGAC	GTCCTCGACTCTTTGGCTATCGCA
1826	ATGGCGTGTGAGCGAACTGCCTGG	CCAGGCAGTTGCTGACACGCCAT
1827	CAATGCAGCTCGGAAGTCAGGTCG	CGACCTGACTTCCGAGCTGCATTG
1828	AGGATCAGTGACATGTCCCCTCA	TGAGGGGACATGTGCACTGATCCT
1829	CACATCTTGGCTGTACCCGAGAA	TTCTCGGGTGACAGCCAAGATGTG
1830	CGCATTATCACCTCAATGCCAGTG	CACTGGCATTGAGGTGATAATGCG
1831	ACATCCGCAGACTCCCTATAGCCC	GGGCTATAGGGAGTCTGCGGATGT
1832	GTGAACCCGAACGAGGGGAGTCTC	GAGACTCCCCTCGTTTCGGGTTTAC
1833	GCGTAGGGAATTTGCCTCACGACT	AGTCGTGAGGCAAATTCCTACGC
1834	TTTACGCGTCGCTCGGTTGTAGTG	CACTACAACCGAGCGACGCGTAAA
1835	GAGAGGCGTCTAGGCGGTTCTAGC	GCTAGAACCGCCTAGACGCCTCTC
1836	GCATGCTGATAACGAATGCTTCCC	GGGAAGCATTGTTATCAGCATGC
1837	CTGAAGCTCGTGTGCGATGAGGGA	TCCCTCATCGCACACGAGCTTCAG
1838	ACAACGGCATGAGGAGGCTTTTTTC	GAAAAAGCCTCCTCATGCCGTTGT
1839	TTTGGAGACGCCAGTACGCGTGGT	ACCACGCGTACTGGCGTCTCCAAA
1840	GCTATCATTTGGTGTAAAGCCCGCC	GGCGGGCTTACACCAAATGATAGC
1841	TCAACATCCAGGGCGGTGCTTGGT	ACCAAGCACCGCCCTGGATGTTGA

5

10

15

20

25

30

35

40

1842	TTCGATGTAATCCCCAAAGATGCC	GGCATCTTTGGGGATTACATCGAA
1843	GGACCTTCGGCAGGTTATCGCCGT	ACGGCGATAACCTGCCGAAGGTCC
1844	AGTAAGAAGAGGCAGGCCCCACCT	AGGTGGGGCCTGCCTCTTCTTACT
1845	AACGGCTCCCCGTCGTA CTGCTTA	TAAGCAGTACGACGGGGAGCCGTT
1846	CCTATACCGTCGTGGTTCCACGTT	AACGTGGAACCACGACGGTATAGG
1847	CCGCGCAGGCGCTAATACTCAAGG	CCTTGAGTATTAGCGCCTGCGCGG
1848	AAATGGGCCAGTGAAATCCTTGGT	ACCAAGGATTTCACTGGCCCATTT
1849	ACGGTTTCGAATACTGCTGGGCAG	CTGCCCAGCAGTATTGAAACCGT
1850	CCGCTTGAGGTT CAGGTCAGAGCT	AGCTCTGACCTGAACCTCAAGCGG
1851	ATCGTGCCCGAAGACACTTAAACG	CGTTTAAGTGTCTTCGGGCACGAT
1852	ACCTGAACCAGGGCGATTGCTTTA	TAAAGCAATCGCCCTGGTTCAGGT
1853	ACCCTATACGCTGGGCTAAGCGGG	CCCGCTTAGCCAGCGTATAGGGT
1854	TGTTTCGCGACTAGAAAGCCTTTCG	GCAAAGGCTTCTAGTCGCGAAACA
1855	GAAGTTGGCGGCTCACCCGTATTA	TAATACGGGTGAGCCGCCAACTTC
1856	TGGCTACACCGCTTAGGAGGAACC	GGTTCCTCCTAAGCGGTGTAGCCA
1857	CCACAGTTGCGTGACTTACATCGC	GCGATGTAAGTCACGCAACTGTGG
1858	ACTGCCACTGCGTCTGAAGAGTGG	CCACTCTTCAGACGCAGTGGCAGT
1859	GCGCCAGCAAATTTCTGTGGTGT	ACACCACACGAAATTTGCTGGCGC
1860	TGCCTCCGTCGAGCCGAATAGCCA	TGGCTATTGGCTCGACGGAGGCA
1861	GTACAAACGGGCGCTATTTCTGTC	GGACGAAATAGCGCCCGTTTGTAC
1862	GCTTCCCTGGCTCTGAACGGAAC	GTTTCCGTT CAGAGCCAGGGAAGC
1863	CGGCTACCCAGGCAGATAAGCTGA	TCAGCTTATCTGCCTGGGTAGCCG
1864	GGTTGGACCCGACAGGGAATTTCC	GGAAATTCCTGTCTGGGTCCAACC
1865	GGGGAATACCCGGCGTTTGTATA	TATTACAAACGCCGGGTATTCCCC
1866	TGGTTCGGTGAGGTTATGTTCCGT	ACCGAACATAACCTCACCGAACCA
1867	TCGGTAGGGTTCAGTCGCTGAGGA	TCCTCAGCGACTGAACCCTACCGA
1868	TTCGGAGTGTGCCGGTGCTAGTAC	GTACTAGCACCGGCACACTCCGAA
1869	TCGTA CTGGAATGATGGCCGGGCC	GGCCCGGCCATCATTCCAGTACGA
1870	TCCGTCGACCGTCCAGCGAAGTTT	AAACTTCGCTGGACGGTCGACGGA
1871	AGGGAATATAACAACACCGCGCAC	GTGCGCGGTGTTGTTATATTCCCT
1872	ATGTCCCGGAAACCAGCTACCTCA	TGAGGTAGCTGGTTTCCGGGACAT
1873	ACCAGCGACTTAGATAGCCGTCCG	CGGACGGCTATCTAAGTCGCTGGT
1874	GGAAAACCTCCTTTGCGTCAACCA	TGGTTGACGCAAAGGAGGTTTCC
1875	ACGTGCGTGCATACCCAAGAGGAC	GTCCTCTTGGGTATGCACGCACGT
1876	ACGCCACTTTCCCTAGAACCAACG	CGTTGGTTCTAGGGAAAGTGGCGT
1877	CGAAGTACGCAATAGTGCCACCCT	AGGGTGGCACTATTGCGTACTTCG
1878	GATCCCGGCGGATCACCTATCAAT	ATTGATAGGTGATCCGCCGGGATC
1879	AGAAAGCGACCGTTTCAGGCTAGC	GCTAGCCTGAAACGGTCGCTTTCT
1880	CGCTCCCTTTCATAGTCCTCTCCG	CGGAGAGGACTATGAAAGGGAGCG
1881	GTGGGTGGTCATAACGACAGCAGA	TCTGCTGTGTTATGACCACCCAC
1882	CTGGAGGCTGCATCGTTCGTAACA	TGTTACGAACGATGCAGCCTCCAG

1883	CACCATGAGTTTCGGAGCGAGGAT	ATCCTCGCTCCGAAACTCATGGTG
1884	CAAGCTGCGTTCGATGAGAGATTG	CAATCTCTCATCGAACGCAGCTTG
1885	CCTGGGAGCAATGACCGCTCTGGT	ACCAGAGCGGTCATTGCTCCCAGG
1886	TCCGGCGCTCTACCAAGATGAGAC	GTCTCATCTTGGTAGAGCGCCGGA
1887	CGACCGCGTCGCGTATACTATCCG	CGGATAGTATACGCGACGCGGTCG
1888	AACATTGCTAGTGGGGTCCAACA	TGTTGGACCCCACTAGCGAATGTT
1889	TGTATGATCATCCGACCGAGCAGC	GCTGCTCGGTCGGATGATCATACA
1890	AGTGCGCCGAGAGGGTGAATAGAC	GTCTATTCACCCTCTCGGCGCACT
1891	AGGCTTGTTCTGGACCAGCACCAT	ATGGTGCTGGTCCAGAACAAGCCT
1892	GGGGCCACATAAAGAATTCCGAAC	GTTCCGAATTCTTTATGTGGCCCC
1893	TGGTGAAGATAAATCCGCATGGCA	TGCCATGCGGATTTATCTTCACCA
1894	ATTTCCACCACGCTCTTGCCAAAT	ATTTGGCAAGAGCGTGGTGAAAT
1895	CGCGTAAAGCTGTCACCGATGACC	GGTCATCGGTGACAGCTTTACGCG
1896	TCCCCAACCGGTAACAACAGCGAC	GTCGCTGTTGTTACCGGTTGGGGA
1897	CCTCTGCTCGCCTTACACCCATGG	CCATGGGTGTAAGGCGAGCAGAGG
1898	CAAGCTGCTCCTGTGCTGAAGGGC	GCCCTTCAGCACAGGAGCAGCTTG
1899	AAACGAACGATGGTCGGTAGACCG	CGGTCTACCGACCATCGTTCGTTT
1900	TCAGTTCGATGGCTATTGCGCCTC	GAGGCGCAATAGCCATCGAACTGA
1901	GGCTCTCAACGGACGCAAATCATA	TATGATTTGCGTCCGTTGAGAGCC
1902	AGTAGAGTGTTGCGGCTGCCGATC	GATCGGCAGCCGCAACACTCTACT
1903	AGACACTAGACCGCCGTGACCTGA	TCAGGTCACGGCGGTCTAGTGTCT
1904	ACCGAGCACCGAATTTCTTGTC	GGACAAGGAAATTCGGTGCTCGGT
1905	CCGTGGCCAAGATACGAACGAATT	AATTCGTTTCGTATCTTGCCACGG
1906	CCTCCTACAGCATCCACATGAGGG	CCCTCATGTGGATGCTGTAGGAGG
1907	CACTCGGCAAATACGTATGCGCAT	ATGCGCATACGTATTTGCCGAGTG
1908	ACCGAGTTGAAGCACGAATTTGGG	CCCAAATTCGTGCTTCAACTCGGT
1909	GACCACCTCGGAAGATCGTTCTGC	GCAGAACGATCTTCCGAGGTGGTC
1910	TCAACTGGGCAAACGAAGAGCACA	TGTGCTCTTCGTTTGCCAGTTGA
1911	GCTTAGCCTCACACGTGCATACCA	TGGTATGCACGTGTGAGGCTAAGC
1912	CTGCGGTCTCCAAGTACCATTTTCG	CGAAATGGTACTTGAGACCGCAG
1913	GTTCCGTATTACGGCGGCCATAAG	CTTATGGCCGCCGTAATACGGAAC
1914	ATCGACGCAACCGGATAGTCTCTG	CAGAGACTATCCGGTTGCGTCGAT
1915	CGCAGATAAACCGGCATCTTTCAG	CTGAAAGATGCCGGTTTATCTGCG
1916	ACCTGCCAATACGGGTCTACGGTT	AACCGTAGACCCGTATTGGCAGGT
1917	ACACCTGTTGCCATGCTGATCCGT	ACGGATCAGCATGGCAACAGGTGT
1918	AAACTGTCTACTGCGCAATTCCGC	GCGGAATTGCGCAGTAGACAGTTT
1919	GCAACTAGCCCGTGCTAGGATCGT	ACGATCCTAGCACGGGCTAGTTGC
1920	TCGTAGTGGTGGATTGTTGTGCGT	ACGCACAACAATCCACCACTACGA
1921	GGCTTACTCCTCAATTGCGACACG	CGTGTCGCAATTGAGGAGTAAGCC
1922	CACGACTCCCTGCCAGATTTGATT	AATCAAATCTGGCAGGGAGTCGTG
1923	CTTAGACGTCGGCAATGTCACGTC	GACGTGACATTGCCGACGTCTAAG

1924	CTCAGAGCACAATCTGCCCTGCCT	AGGCAGGGCAGATTGTGCTCTGAG
1925	GCTAGGAAAGTCGGCATTTCATGGG	CCCATGAATGCCGACTTTCCTAGC
1926	AAAGCCCCAAAATTCCGCCTAACC	GGTTAGGCGGAATTTGGGGCTTT
1927	GCGCAACGCTAAGGGACTATCAAG	CTTGATAGTCCCTTAGCGTTGCGC
1928	CGTCCGCTGGGATGAGTCTCCTGC	GCAGGAGACTCATCCCAGCGGACG
1929	ACAGGCCTCGTGATTGGTGTGGGT	ACCCACACCAATCACGAGGCCTGT
1930	CATTCTCCTTCCGGGACCACGCCT	AGGCGTGGTCCCGGAAGGAGAATG
1931	TCGGAGTTGACCAAGCTCAGTGCG	CGCACTGAGCTTGGTCAACTCCGA
1932	ACGCGCCACTGCAATTGCAAACAC	GTGTTTGCAATTGCAGTGGCGCGT
1933	AGTTCATGGAGCCGGCGTATTGTT	AACAATACGCCGGCTCCATGAACT
1934	ACGTTTAATGCGGGGCCCCGCCTAC	GTAGGCGGGCCCCGCATTAAACGT
1935	TGAGGCTTTAGCCTACGCGCAGGT	ACCTGCGCGTAGGCTAAAGCCTCA
1936	CAGCGTTATGAGCGCGGAGTTTAT	ATAAACTCCGCGCTCATAACGCTG
1937	GTCCACGTGACCACGGATAGTTGG	CCAACTATCCGTGGTCACGTGGAC
1938	GATTATGCTCCTACGCCTGCTCCG	CGGAGCAGGCGTAGGAGCATAATC
1939	TCGTCAAGGGCATGATGTGTGGGA	TCCCACACATCATGCCCTTGACGA
1940	GATGGACCGCCAAAGACACCTTGA	TCAAGGTGTCTTTGGCGGTCCATC
1941	TACACGAGGATGGGGTCAAGCTTT	AAAGCTTGACCCCATCCTCGTGTA
1942	ACACGCACAAAACGTTTGAAAGGC	GCCTTTCAAACGTTTTGTGCGTGT
1943	GTTATCGTGGGCCGATGGTACTGA	TCAGTACCATCGGCCACGATAAC
1944	ACATGACCGTATCCGCCTGCTTCG	CGAAGCAGGCGGATACGGTCATGT
1945	GAAGGCGAACCCTGAACTACGC	GCGTAGTTTCAGTGGTTCGCCTTC
1946	TGACTTTTGCAACGGGTGGAACCA	TGGTTCCACCCGTTGCAAAAGTCA
1947	TGAATTCGTAGGTTTTGGGTGCGG	CCGCACCCAAAACCTACGAATTCA
1948	AGCATTTATGAAGCGGCCATTGCG	CGCAATGGCCGCTTCATAAATGCT
1949	TGCTCCTCGCGTTGGTACCGTGAG	CTCACGGTACCAACGCGAGGAGCA
1950	CGCAGCAAGAAACAGCAACTGTTG	CAACAGTTGCTGTTTCTTGCTGCG
1951	AGACGCTTGAGTGAAAACCTCGGA	TCCGAGTTTTCACTCCAAGCGTCT
1952	CATTCGTAGAATGCCCAAATGGA	TCCATTTGGGGCATTCTACGAATG
1953	CCAGAAGGTTCCGGGACCCGTCGTG	CACGACGGGTCCCGAACCTTCTGG
1954	GAGAAGCCGGTTCTCAGAGCACAT	ATGTGCTCTGAGAACCGGCTTCTC
1955	TTGCGTTGCAAGATATCTGGCCCG	CGGGCCAGATATCTTGCAACGCAA
1956	GGGTTGCATGTTTCAGGCAAGACGA	TCGTCTTGCCTGAACATGCAACCC
1957	CTCACGAAGGTGACATATCACGCC	GGCGTGATATGTCACCTTCGTGAG
1958	GCCCGAGATACGGGTTCAAAAAGA	TCTTTTGAACCCGTATCTCGGGC
1959	CATCTTCGCGCTTCTTCACTCCGC	GCGGAGTGAAGAAGCGCGAAGATG
1960	TTACACGGTAAGCGTACGGCCGCC	GGCGGCCGTACGCTTACCGTGTA
1961	ACCTTCGGACAATGTGGCGTTTCGC	GCGAACGCCACATTGTCCGAAGGT
1962	TGAATGGTTCTGCTAGGCCACAC	GTGTGGGCCTAGCAGAACCATTCA
1963	CACGCCTGTCTGACATATGGATGC	GCATCCATATGTCAGACAGGCGTG
1964	CGCCTCAACCCAATCTGAGAACGT	ACGTTCTCAGATTGGGTTGAGGCG

1965	TTACGCTTACTGCGAGCTGGGTCC	GGACCCAGCTCGCAGTAAGCGTAA
1966	GGCTTGTGGGGCAATACGCATCTT	AAGATGCGTATTGCCCCACAAGCC
1967	CACTCTCCTTTGGATGCGGAACAA	TTGTTCCGCATCCAAAGGAGAGTG
1968	GACCAGCCATCACGTAACGGCCCT	AGGGCCGTTACGTGATGGCTGGTC
1969	AGGAACCGGATGTGGTTATGGAGC	GCTCCATAACCACATCCGGTTCCT
1970	ATCCATGGGCAACTGAGCCTATGC	GCATAGGCTCAGTTGCCCATGGAT
1971	GGAACAGCACTTGTTACCGCCAC	GTGGGCGGTAACAAGTGCTGTTCC
1972	TGGCTCGCTTCAAGCCTGTTTGCT	AGCAAACAGGCTTGAAGCGAGCCA
1973	CAAACGTGAGGTCATGACCACCAT	ATGGTGGTCATGACCTCACGTTTG
1974	ACCGATGTCTTGAAGTCCGGAGGT	ACCTCCGGACTTCAAGACATCGGT
1975	CGAAAATGCATGATGATCTCCCCT	AGGGGAGATCATCATGCATTTTCG
1976	TTTGGTATTCTCGCTGCACCGTTG	CAACGGTGCAGCGAGAATACCAAA
1977	GCGTACTCAACCACATTCCCGACC	GGTCGGGAATGTGGTTGAGTACGC
1978	AGCAAACAACAGCGGTCCGAGCAT	ATGCTCGGACCGCTGTTGTTTGCT
1979	GGACTAGGAGCGGGGATAGCTGAG	CTCAGCTATCCCCGCTCCTAGTCC
1980	CCTTAACGAAAACCTGTGACCGC	GCGGTCGACAGGTTTTCGTTAAGG
1981	CTCGATCGCATAAGCAAGAAACCG	CGGTTTCTTGCTTATGCGATCGAG
1982	CCCGTTGTTTGGGCGACAAAAAGT	ACTTTTTGTGCCCCAAACAACGGG
1983	CGGCGGCTCTCGCATGATCTCGTT	AACGAGATCATGCGAGAGCCGCCG
1984	CGGATGGAGAGGAGTCTACGTCCC	GGGACGTAGACTCCTCTCCATCCG
1985	CAGAACAATATCGTGCGTCAACCG	CGGTTGACGCACGATATTGTTCTG
1986	CCTTTGCGCGCTCCGAGTAAGGTA	TACCTTACTCGGAGCGCGCAAAGG
1987	GGAAACGGCACCTATCTGTCGTGA	TCACGACAGATAGGTGCCGTTTCC
1988	CGACCGACAAAACCAAATGCCGCC	GGCGGCATTTGGTTTTGTGCGTCC
1989	CCAAGGTGTGGGAGCTGAAGAGA	TCTCTTCAGCTCCCACACCCTTGG
1990	TTAAGTGCGCATAGTCTCGTGGG	CCCACGAGGACTATGCGCACTTAA
1991	GCCTGGTGGGGTAAGTCATGATGC	GCATCATGACTTACCCCACCAGGC
1992	GAGCAGCAGATTGATGCGCTTATG	CATAAGCGCATCAATCTGCTGCTC
1993	TGCGCCAACTTCCGGAATATTTGC	GCAAATATTCCGGAAGTTGGCGCA
1994	AACCCCATCATGAAATGCTCTCCG	CGGAGAGCATTTTCATGATGGGGTT
1995	GTCCAACGGTACTGGCGTGATGTT	AACATCACGCCAGTACCGTTGGAC
1996	ACTCGGCTGATCGTGAGATGGTGA	TCACCATCTCACGATCAGCCGAGT
1997	ATTCGTGGGCGCATCTCGGAATGT	ACATTCCGAGATGCGCCCACGAAT
1998	TCCCGTCTGTGAATCCAGGGAACA	TGTTCCCTGGATTACAGGACGGGA
1999	CTTCGCTGCACCTACATTGCGCCA	TGGCGCAATGTAGGTGCAGCGAAG
2000	GCGTGATAGTAGTGTGCTTTGGG	CCCAAAGCACAGTCATCTACACGC
2001	CTATGGTATCGAGACATCGGCGGA	TCCGCCGATGTCTCGATACCATAG
2002	CCTCGTACTCCGTCGTATGCACAA	TTGTGCATACGACGGAGTACGAGG
2003	TGGTGCGTCCGTAGTGCCTGCACT	AGTGCAGGCACTACGGACGCACCA
2004	CGCGATCCTAGTTGAAAGCTTTGC	GCAAAGCTTTCAACTAGGATCGCG
2005	ACGATCCAGGTGTTGGGCACTAAG	CTTAGTGCCCAACACCTGGATCGT

2006	CCAATCTAGGATACACCACGCCCG	CGGGCGTGGTGTATCCTAGATTGG
2007	GATACGTGGGGTATAGGCGGGCCC	GGGCCCCGCTATACCCACGTATC
2008	CATGGAACAAACCGTCGTAGGGGA	TCCCCTACGACGGTTTGTTCATG
2009	ACACTCGCGCAGTATTCGAGTCGT	ACGACTCGAATACTGCGCGAGTGT
2010	CTCAGTCTCGAAGGTGATCCGACC	GGTCGGATCACCTTCGAGACTGAG
2011	TCCCAATCCCCGTGGTATCGTCGT	ACGACGATACCACGGGGATTGGGA
2012	AATCAACGTAGTTCCGGTGGTCCG	CGGACCACCGGAACTACGTTGATT
2013	CTTAACAACCCAGGGGTTTGGGCT	AGCCCAAACCCCTGGGTTGTAAAG
2014	CTACCGCTGCATGGCGTTAGATTG	CAATCTAACGCCATGCAGCGGTAG
2015	TTATTGGTGGCGGACGGAGTGAGT	ACTCACTCCGTCCGCCACCAATAA
2016	TTAAGGGTGAACCTCAACGCGTGA	TCACGCGGTTGAGTTCACCCTTAA
2017	TTTGATTGAAACGCTGCGCACTAC	GTAGTGCGCAGCGTTTCAATCAA
2018	TCATGTGTAGGTCGCGGCCGTCAC	GTGACGGCCGCGACCTACACATGA
2019	CTCCGAACCTTCTGGGCCTCTTTT	AAAAGAGGCCCCAGAAGGTTCCGAG
2020	CTGTTGCCCATTTGGCCCGACACTC	GAGTGTGCGGCCAATGGGCAACAG
2021	CACGATCGCTGAGCAACACATCAC	GTGATGTGTTGCTCAGCGATCGTG
2022	CGGATCATAAGCGTCCGCCTTCGT	ACGAAGGCGGACGCTTATGATCCG
2023	AGGTAAACGCAACATGTGATCCGC	GCGGATCACATGTTGCGTTAACCT
2024	GGGAAAAACAGCTAAGCCTTGCGA	TCGCAAGGCTTAGCTGTTTTCCC
2025	ACTTATTGCCGGGATCCGTACACA	TGTGTACGGATCCCGGCAATAAGT
2026	TGCGGTCTGAAAGGAAGGGAGGG	CCCTCCCTTCCTTTCCAGACCGCA
2027	GCTGCCACCTGGACATCGCATACA	TGTATGCGATGTCCAGGTGGCAGC
2028	GCAGGCATGACAGTGCGTAGTAC	GTACTIONGCCACTGTCATGCCTGC
2029	GCGGCCCTGATGGTTTGGCTGAGC	GCTCAGCCAAACCATCAGGGCCGC
2030	TCCCCATTTAGTCCCCTCCATCAC	GTGATGGAGGGGACTAAATGGGGA
2031	GCAACACAAATGCGAGCGTAGGAG	CTCCTACGCTCGCATTTGTGTTGC
2032	GGCGTTTGTATTGAGCCACGTAG	CTACGTGGCTCGAATACAAACGCC
2033	GGTAACGTGCGACGTGGAATTCCG	CGGAATTCCACGTGCGACGTTACC
2034	ACTTCACAACGCTCCGTTGGACAC	GTGTCCAACGGAGCGTTGTGAAGT
2035	CCGAATTATAAAGCGCAAGGCACA	TGTGCCTTGCGCTTTATAATTCGG
2036	GGACCCGATAAGACTCTGACGCCG	CGGCGTCAGAGTCTTATCGGGTCC
2037	ACCCGTTTCTCGTAGGAACCTGCT	AGCAGGTTTCTACGAGAAACGGGT
2038	CACGTTGACTGTATCTGGTTGCC	GGCAACCAGATACAGTCGAACGTG
2039	CCTCGGATGGGCCCATGACCTTGA	TCAAGGTCATGGGCCCATCCGAGG
2040	GGACGCCTGCTGTAGGGGTTTGAT	ATCAAACCCCTACAGCAGGCGTCC
2041	CTCGAGCGTGGGCTAAAAGAGCAT	ATGCTCTTTTAGCCACGCTCGAG
2042	TTTACTTCTTAGGGCGCGTTTGGG	CCCAAACGCGCCCTAAGAAGTAAA
2043	ACCACCAACATAGCGCGCACTAGT	ACTAGTGCGCGCTATGTTGGTGGT
2044	TGGTTACACGGCAGCCCGCGTAAG	CTTACGCGGGCTGCCGTGTAACCA
2045	TTATGGTACGTTGCTGCGTGCGGG	CCCGCACGCAGCAACGTACCATAA
2046	ACCGCGGATCTAACGAATCCCATT	AATGGGATTCGTTAGATCCGCGGT

2047	CATGATCCCGCCCTTAGGTTAAGC	GCTTAACCTAAGGGCGGGATCATG
2048	TACCGCTTCAAAGGGTTGCCGAAT	ATTCGGCAACCCTTTGAAGCGGTA
2049	GCACCGCGTCAATATTACCGAGGA	TCCTCGGTAATATTGACGCGGTGC
2050	GTGTCGCGGCTTTACAGAAGGAGA	TCTCCTTCTGTAAAGCCGCGACAC
2051	GCAAGCCATACCGCAATAAACTCG	CGAGTTTATTGCGGTATGGCTTGC
2052	ATGAGGTCGTGCTGCGTTCACGAG	CTCGTGAACGCAGCACGACCTCAT
2053	CGAGACTAGTGCCGATGCAGGGTA	TACCCTGCATCGGCACTAGTCTCG
2054	GCCTCATCATAGACGCTGGATGCA	TGCATCCAGCGTCTATGATGAGGC
2055	GACAGGCGTCGGTAAGCTCTCAAG	CTTGAGAGCTTACCGACGCCTGTC
2056	GCTACGAATCTTCCCTGTCGCCAC	GTGGCGACAGGGAAGATTTCGTAGC
2057	TTTGGCAGAACGTACCAGTGGGGT	ACCCCACTGGTACGTTCTGCCAAA
2058	GGACAATAAGCACCCGAGAATGCG	CGCATTCTCCGGTGCTTATTGTCC
2059	TCATGAACCTTCTGATGCCGCGAA	TTCGCGGCATCAGAAGGTTTCATGA
2060	CGCCGCATTACCTTAAAAACGTGC	GCACGTTTTTAAGGTAATGCGGCG
2061	ACGAGTCCAACCGCCTCATTGATT	AATCAATGAGGCGGTTGGACTION
2062	GCGAAGAGTTGCTACTCTTCGCC	GGCGGAAGAGTAGCAACTCTTCGC
2063	CGTCGGCAACAATCTTTTTCGTGA	TCACGAAAAAGATTGTTGCCGACG
2064	AATCCTGTGCACCCGTGAGACGCG	CGCGTCTCACGGGTGCACAGGATT
2065	AACCTATATGCATCAACGCGAGCC	GGCTCGCGTTGATGCATATAGGTT
2066	GAACCTGGCAAAACAGCCCGGAAA	TTTCCGGGCTGTTTTGCCAAGTTC
2067	CTCTATGGCCGTTTGCCGTCTGCA	TGCAGACGGCAAACGGCCATAGAG
2068	AGTGCACCGGGTTGTGGACACAAT	ATTGTGTCCACAACCCGGTGCACT
2069	CCTGGCTTTTCACACGCCAAGAAA	TTTCTTGGCGTGTGAAAAGCCAGG
2070	CACTCAGCGTAGCCTGAAGCCTGG	CCAGGCTTCAGGCTACGCTGAGTG
2071	GAATTATCGACCGCAGCGGTGTCTG	CGACACCGCTGCGGTGCGATAATTC
2072	GTGACATCACATGGTGGCCGAGCG	CGCTCGGCCACCATGTGATGTCAC
2073	AGCACCTTGCCGAGTCACCAAGTGA	TCACTGGTGACTCGGCAAGGTGCT
2074	TAGGTTGCAGGAATGGTGGGCACC	GGTGCCCAACCATTCCTGCAACCTA
2075	GTCCCATACGTGTGGTACGCGGAT	ATCCGCGTACCACACGTATGGGAC
2076	TCGGATACTCTCGCGTGCCACGGG	CCCGTGGCACGCGAGAGTATCCGA
2077	CAACGTTGCCCCCTAAGCCCAAAT	ATTTGGGCTTAGGGGCGAACGTTG
2078	GTTAGGTCACCGCGGCATATCCTA	TAGGATATGCCGCGGTGACCTAAC
2079	GTTACCGGCCTCTACTTGGGTTT	AAACCCAAGTAGAGGCCGGTGAAC
2080	AATCCGCGTCTAGGTCATGTGGTC	GACCACATGACCTAGACGCGGATT
2081	GCTACGCCTCTGGAGGTGGTACCC	GGGTACCACCTCCAGAGGCGTAGC
2082	CAGGGAATGCTACAAAGGGTCCAA	TTGGACCCCTTGTAGCATTCCCTG
2083	AAGGGTTAGCTGCCCGGTTAACAG	CTGTTAACCAGGGCAGCTAACCCTT
2084	CCTCGCAAGCGCGATATTTATGCC	GGCATAAATATCGCGCTTGCGAGG
2085	GCCTCCCGGTCATGGTCAAGGGAA	TTCCCTTGACCATGACCGGGAGGC
2086	GCTGTTGAGCGGCGACCTGTGCAC	GTGCACAGGTGCGCGCTCAACAGC
2087	CGCTGACTTAGCTCTGATGTGCCG	CGGCACATCAGAGCTAAGTCAGCG

2088	TTCATGGCATTATCATCACAAGGAA	TTCCTTCGTGATGAATGCCATGAA
2089	TAGTGTTATGCCCCGCGTGTGAATG	CATTACACGCGGGCATAAACA
2090	CATGTAAGGGCACGGTCGTGGGCA	TGCCCACGACCGTGCCCTTACATG
2091	CAGGAAGCTCGCTCCGTGATGCAC	GTGCATCACGGAGCGAGCTTCCTG
2092	CCTGCTGATAGCAACCTCACTGCA	TGCAGTGAGGTTGCTATCAGCAGG
2093	ACTACGAGGGGCGAGGGTCTAGGCG	CGCCTAGACCCTGCCCTCGTAGT
2094	CATAATGTGGGTGCTGACGCCGAT	ATCGGCGTCAGCACCCACATTATG
2095	TAGCGAATCCACACAGAGCCGCTC	GAGCGGCTCTGTGTGGATTTCGCTA
2096	TCGCGAAATCCCTAAATCCTGTGC	GCACAGGATTTAGGGATTTCGCGA
2097	TGGCACGAATCAAGCCACCAACTC	GAGTTGGTGGCTTGATTTCGTGCCA
2098	GCGGACCGTCTTTGCTATCTGACG	CGTCAGATAGCAAAGACGGTCCGC
2099	AGGCCCCGCTTGTAAATTGGTCAT	ATGACCAATTACAAGGCGGGGCCT
2100	CTGGTCCCACACGCCGCTGACTAG	CTAGTCAGCGGCGTATGGGACCAG
2101	TGCTAACTGCGGCCCTACAGAGTC	GACTCTGTAGGGCCGCAGTTAGCA
2102	TGGTTTTATGTTCCGTAGCGTCCG	CGGACGCTACCGAACATAAAACCA
2103	AGCTCAAACCTTCTCCACGGGATG	CATCCCGTGGGAGAAGTTTGAGCT
2104	CGCGAAGATAGTGAAATCCGCATC	GATGCGGATTTCACTATCTTCGCG
2105	GAGTGAAACCTCTCGCGGGTTGCA	TGCAACCCGCGAGAGGTTTCACTC
2106	TCGAATGCTCTGCAGTGACGTCAA	TTGACGTCACTGCAGAGCATTGCA
2107	AGGTGGCAATGATCGACGACCCTG	CAGGGTCGTGATCATTGCCACCT
2108	GTCCGAGCCGTGCAAAGCAATAA	TTATTGCTTTGCACGGCTCCGGAC
2109	CTTTTGGGATTAGAGGCCGACAA	TTGTCGGCCTCTAATCCCCAAAAG
2110	GGCATAAAGGCTTCCGTTCTGTGC	GACAGGAACGGAAGCCTTTATGCC
2111	GCGGACCGTAAAGCGGGCAGATAG	CTATCTGCCCGCTTTACGGTCCGC
2112	TTTCAAGAGTGTCATCGAATCCACG	CGTGGATTGATGCACTCTTGAAA
2113	CCGGCATCCCTTCTCGCTGTTGCC	GGCAACAGCGAGAAGGGATGCCGG
2114	ACACAGAGACGCGAACGGAGTGCA	TGCACTCCGTTGCGCTCTCTGTGT
2115	AGCGGCATTCTCCCACTCGTTACT	AGTAACGAGTGGGAGAATGCCGCT
2116	GGAGCGTACTGCGCCTCGCAAGTC	GACTTGCGAGGCGCAGTACGCTCC
2117	AAACCCGAATGACACGGCAGATAA	TTATCTGCCGTGTCATTGCGGTTT
2118	AACAGCGGATCGATAAAACGACA	TGTCGTTTTATCGATCCGCTGGTT
2119	GGTGTCCACCCGTTAACGCCGGTA	TACCGGCGTTAACGGGTGGACACC
2120	AGCGCGACGTGGCTTGCCGTTAAA	TTTAACGGCAAGCCACGTCGCGCT
2121	TCCCACGGCTATAGGTCCAACGAC	GTCGTTGGACCTATAGCCGTGGGA
2122	ATCAACGAACGATGCCGTTAGGTG	CACCTAACGGCATCGTTGCTTGAT
2123	GAGGCTAAGCCGATAGGCCGAGGC	GCCTCGGCCATACGGCTTAGCCTC
2124	ACGGTCCGAAATGGTTAGAGGCAC	GTGCCTCTAACCATTTGCGACCGT
2125	ACGCAAACCATTCCTCGAGTAGGC	GCCTACTCGAGGAATGGTTTGCGT
2126	TTACACGCTCGCTATTGGGCCATA	TATGGCCCAATAGCGAGCGTGTA
2127	CTCGGCACGGGTTTGAACGCCGG	CCGGCGTTCTAAACCCGTGCCGAG
2128	ATTCGGTAAGGTATCGGGCTAGCG	CGCTAGCCCGATACCTTACCGAAT

2129	AGCACACCGTTATACATGACGGCG	CGCCGTCATGTATAACGGTGTGCT
2130	AGTCCCTGCCGTTGCTCATGGAA	TTCCATGAGCGAACGGCAGGGACT
2131	GGGCTTATGACCAGTCAGGTTGGA	TCCAACCTGACTGGTCATAAGCCC
2132	GGTCACCACACGAGTGCCTGGTCT	AGACCAGGCACTCGTGTGGTGACC
2133	TTGATCGTGTCTCCCGAAACCCTC	GAGGGTTTCGGGAGACACGATCAA
2134	ATTGTCGCGATCGGCATTTCTTAA	TTAAGAAATGCCGATCGCGACAAT
2135	GGGTCCAACGACTTCTCGCTGCTG	CAGCAGCGAGAAGTCGTTGGACCC
2136	CAAATTCCTTGGGGGCCATAGTGG	CCACTATGGCCCCCAAGGAATTTG
2137	CCAGAGTATCCGCCGTTAGACGGT	ACCGTCTAACGGCGGATACTCTGG
2138	TCCTGCAGATCATCTCGTGTCTGG	CCAGACACGAGATGATCTGCAGGA
2139	TGCGGGAGATTTGAACAAGCTGTA	TACAGCTTGTTCAAATCTCCCGCA
2140	TTAGACGCCGAGCTAGGCAACGTC	GACGTTGCCTAGCTCGGCGTCTAA
2141	TTTCGGCAGAATCTCCGATTCAAC	GTTGAATCGGAGATTCTGCCGAAA
2142	TGGCGAGCAGACCTACAAGACAGA	TCTGTCTTGTAGGTCTGCTCGCCA
2143	GGCGACAGACCGGTACATCGGCCA	TGGCCGATGTACCGGTCTGTCCGC
2144	TCTAGACCTGCGTTTCGTGGGACC	GGTCCCACGAAACGCAGGTCTAGA
2145	GCCGAGCGTGGTACCATACGTTCA	TGAACGTATGGTACCACGCTCGGC
2146	TAATCACACCCGCTTTCTGTGGCT	AGCCACAGAAAGCGGGTGTGATTA
2147	GGCCGGAGCCATTGGACACTTCTT	AAGAAGTGTCCAATGGCTCCGGCC
2148	CCTGTAGACCTGCATGGATCGCTG	CAGCGATCCATGCAGGTCTACAGG
2149	ATCGCCGTTCCCGCAAAATAAGCA	TGCTTATTTTTCGGGAACGGCGAT
2150	TGGATCAACGGGGTAGTGAAAACG	CGTTTTCACTACCCCGTTGATCCA
2151	AAGCGACGATGCTTTCTTGAGCTG	CAGCTCAAGAAAGCATCGTCGCTT
2152	CACGGGCACGTGTTCTACGCTTGC	GCAAGCGTAGAACACGTGCCCGTG
2153	ACGGGCTGGGACAAGAGCTAGAAA	TTTCTAGCTCTTGTCCCAGCCCGT
2154	GGTAACTGGCTCCGCTCTCACATC	GATGTGAGAGCGGAGCCAGTTACC
2155	ACTCTGGCTGTTGGCGAACGTGAC	GTCACGTTCCGCAACAGCCAGAGT
2156	GACCGAGGACCAGTCCTTGCTCTC	GAGAGCAAGGACTGGTCCTCGGTC
2157	AGTAGCTCTTGCGGCCTAACGGCA	TGCCGTTAGGCCGCAAGAGCTACT
2158	TTCTTGTCCTGGGGGAGAGCAGTG	CACTGCTCTCCCCAGGACAAGAA
2159	TTAGCAGGGAGGTTGTCGGCTCAT	ATGAGCCGACAACCTCCCTGCTAA
2160	AGAACGTGGATTGTACGCTCCGCC	GGCGGAGCGTACAATCCACGTTCT
2161	CTTCACAGCCTGGAGCCACCAATG	CATTGGTGGCTCCAGGCTGTGAAG
2162	GAGATCGATGAAACGCACCAGCGG	CCGCTGGTGCGTTTCATCGATCTC
2163	GGGTCCAGAGTTGGTGTGGGATAA	TTATCCCACACCAACTCTGGACCC
2164	CCGTCCACCCCAGATAGGAATCAC	GTGATTCCATCTGGGGTGGACGG
2165	TGCCTCGCTTCTGTGAATCTACGA	TCGTAGATTACAGAAGCGAGGCA
2166	GATCACAGCGTCCGCGCATAACGG	CCGTTATGCGCGGACGCTGTGATC
2167	ATGACGCCTTACATGACGCACCTT	AAGGTGCGTCATGTAAGGCGTCAT
2168	GCGTGGAATAACGCCCTTAGTTCA	TGAACTAAGGGCGTTATTCCACGC
2169	GGTCTACCATTCTCGCCCGACCG	CGGTGCGGCGAGAAATGGTAGACC

5

10

15

20

25

30

35

40

2170	ACACCTCTCTGGCGTAGACGCTCA	TGAGCGTCTACGCCAGAGAGGTGT
2171	GTAGAGGTGCTCAGGACTCGTCGC	GCGACGAGTCCTGAGCACCTCTAC
2172	GTAAGCAGGAGGCGAAGGCGCGAA	TTCGCGCCTTCGCCTCCTGCTTAC
2173	TCTAAGGGCCGTTTCAATCGACCT	AGGTCGATTGAAACGGCCCTTAGA
2174	AACCTGATTTCAGGGTCAGCCCGA	TCGGGCTGACCCTGAAATCAGGTT
2175	GTCACGCGATTGGCCACCTATTA	TAATAGGTGGGCCAATCGCGTGAC
2176	ACGATGCCGCGCATGTAACCTAGT	ACTAGGTACATGCGCGGCATCGT
2177	TGAGAGATGTCTCGTCAACGCCTG	CAGGCGTTGACGAGACATCTCTCA
2178	GCATATCTCGCGGTGACAGACGAA	TTCGTCTGTCACCGCGAGATATGC
2179	GACCCAACGTCGAAATTGTGCGAT	ATCGCACAAATTCGACGTTGGGTC
2180	TGAAAATCGGGGCATCTAGTTTGG	CCAAACTAGATGCCCCGATTTTCA
2181	CCGCGAAAAGGATTTGTGTACGCA	TGCGTACACAAATCCTTTTCGCGG
2182	CATTCCATTTATCCGCGAGTTCGCT	AGCGAACTGCGGATAAATGGAATG
2183	CCTGTCTGTGCGAGCCAGCGTCTAT	ATAGACGCTGGCTCGACAGACAGG
2184	TCAGCGCGGCTAAACAAGTTATGC	GCATAACTTGTTCAGCCGCGCTGA
2185	ACGCCTACGAACGACCCAAGAGAG	CTCTCTTGGGTCGTTTCGTAGGCGT
2186	TGCGCATCTACCATTTGTGTGGATC	GATCCACACAATGGTAGATGCGCA
2187	AAGTCCGCGCTCGCTCCTGTAATA	TATTACAGGAGCGAGCGCGGACTT
2188	GCTGGGTCATTGCTCGAGTAACCA	TGGTTACTCGAGCAATGACCCAGC
2189	TGGAGCGTTCTGGCAATGACCGAC	GTCGGTCATTGCCAGAACGCTCCA
2190	CAAGTCAATTCTTGGCCAATTTCGG	CCGAATTGGCCAAGAATTGACTTG
2191	CGTTCATGCAAGGATCCCAGGTTA	TAACCTGGGATCCTTGCATGAACG
2192	ATGCCAATAGAAGCTGGGGATGCT	AGCATCCCCAGCTTCTATTGGCAT
2193	CCTAACTCTCCCTTGAGGCCGTTT	GAACGGCCTCAAGGGAGAGTTAGG
2194	ATCTCGGCGAAGGTTCCAAACATT	AATGTTTGGAACCTTCGCCGAGAT
2195	GCGACAGATTACGCTGCGGTTTTTC	GAAAACCGCAGCGTAATCTGTGCG
2196	AAGCCCAGACGGCCAACACGTTAC	GTAACGTGTTGGCCGTCTGGGCTT
2197	TCAAGTTCAAATCACATCCCGTGG	CCACGGGATGTGATTTGAACCTGA
2198	GATTGTGCTTCTGTCTGTGAGGCG	CGCCTCACAGACAGAACGACAATC
2199	ACCGAACTATGTTCCGGCATGGCA	TGCCATGCCGGAACATAGTTCGGT
2200	CGTCATCGGGTGTGCAATGCCGTT	AACGGCATTGCACACCCGATGACG
2201	CGGACGGAGTCACGTTTGTGCACT	AGTGACAAACGTGACTCCGTCCG
2202	TAAACAAGTCGTGTGCCTTTGCCG	CGGCAAAGGCACACGACTTGTTTA
2203	TAATTAAGTGCCTGTGGAGCAGGC	GCCTGCTCCACAGGCCAGTAATTA
2204	GGAGCGGCCCGAATGGTGCTCTTA	TAAGAGCACCATTCGGGCCGCTCC
2205	ACTAAGCAAGGCTTGATGTGCGT	ACGCACATCCAAGCCTTGCTTAGT
2206	GGCAGCTCAGCGGCAGTACGCTAC	GTAGCGTACTGCCGCTGAGCTGCC
2207	GCGAGGCGAATTATCCGCGGATTT	AAATCCGCGGATAATTGCCTCGC
2208	CATACGACACACCTTGGGGTGCTA	TAGCACCCCAAGGTGTGTCGTATG
2209	TGCTTGGGCTTTAAACCCCGTTTT	AAAACGGGGTTTTAAAGCCCAAGCA
2210	CCGTTTGAAAACGCAAATATCGG	CCGATATTTGCGTTTTCCAACCGG

2211	AACTAGCTAGCCGCACCCGCAAG	CTTGCGGGTGCGGCTAGCTAGTTT
2212	GTTGTTCCACCAAGTGATCACGCAG	CTGCGTGATCACTGGTGAACAAC
2213	GCCGCTGACAAGATGATCATCGTT	AACGATGATCATCTTGTCAGCGGC
2214	CTTTCATAAAGCCAACCGATGCCC	GGGCATCGGTTGGCTTTATGAAAG
2215	CTGACTGCATCTCGAAAGCGGGTG	CACCCGCTTTCGAGATGCAGTCAG
2216	ATTTCTTCGGAGAATCGGCCACGT	ACGTGGCCGATTCTCCGAAGAAAT
2217	CATTTCGGGCCCTAGCTACTGCGC	GCGCAGTAGCTAGGGCCCCGAAATG
2218	CCGATCCCGCACATCCGTATCCTG	CAGGATACGGATGTGCGGGATCGG
2219	TATCACCGGGAGCGTCTTATCGTG	CACGATAAGACGCTCCCGGTGATA
2220	TAGGGCTCGTGACCGATTAGAGG	CCTCTAATCGGTGCACGAGCCCTA
2221	GCGTGGCACTCGCTTGTCTAGGTA	TACCTAGACAAGCGAGTGCCACGC
2222	CTCAACGAACTCAAGGGCCGCTAC	GTAGCGGCCCTTGAGTTCGTTGAG
2223	AGCCTGGTATCGACCAATCCTGCA	TGCAGGATTGGTCGATACCAGGCT
2224	TACGCGTTCTAGTTGGCCGGATCC	GGATCCGGCCAACTAGAACGCGTA
2225	TTTATGGGTTTGTGCCTGATGGGT	ACCCATCAGGCACAAACCCATAAA
2226	GGGACCCCTAGCAACGTCACCTTA	TAAGGTGACGTTGCTAGGGGTCCC
2227	CTGCCTCCCCAGGAGTCATTGGAT	ATCCAATGACTCCTGGGGAGGCAG
2228	AACCCCGCAAGACCAGTACCAATC	GATTGGTACTGGTCTTGCGGGGTT
2229	GGTCACATACGCGCTAAAAAGCGC	GCGCTTTTTAGCGCGTATGTGACC
2230	AAATGGCTCCGACCAGTTAGGGAC	GTCCCTAACTGGTCCGAGCCATTT
2231	AACGCGGCACGCTTAAAGGTGCAT	ATGCACCTTTAAGCGTGCCGCGTT
2232	GATCGCACGCCGATTAACCTTACA	TGTAAGGTTAATCGGCGTGCGATC
2233	CCTCCTGATTGGGAGTGCGGAATT	AATTCCGCACTCCCAATCAGGAGG
2234	CGGAGGGTAATAGGCTCCTCTGCG	CGCAGAGGAGCCTATTACCCTCCG
2235	ACAAGAACTGGACATTACCGCGGG	CCCGCGGTAATGTCCAGTTCTTGT
2236	TGTCGTCTTAAAGGCCTTTGTGCG	CGCACAAAGGCCTTTAAGACGACA
2237	GGTGACCATGTGGCGTTTTAGCTT	AAGCTAAAACGCCACATGGTCACC
2238	CACGGTTGCGCACGGTACCAGAAC	GTTCTGGTACCGTGCGCAACCGTG
2239	CCTTTATTGTTTGGTCCCCTGCCC	GGGCAGGGGACCAAACAATAAAGG
2240	GTGCGCCTGCATTCTACCGTCAAT	ATTGACGGTAGAATGCAGGCGCAC
2241	GTTTACGTTGATGGCTTGCCGCCG	CGGCGGCAAGCCATCAACGTAAAC
2242	CCGTCGGTGGTAGGACGTGAATGT	ACATTACGTCCTACCACCGACGG
2243	TGATCGCCCCAGAATCCCTGTGCT	AGCACAGGGATTCTGGGGCGATCA
2244	AAGCAGCCAAAAATCGGTTGCTTT	AAAGCAACCGATTTTTGGCTGCTT
2245	CGACGGGACTTAGTAGCAGGGCCT	AGGCCCTGCTACTAAGTCCCGTCG
2246	CCGATTCGCGAAACGACCAAGTAG	CTACTTGGTCGTTTCGCGAATCGG
2247	CCACCCCAACTCCAATCTTTCTCA	TGAGAAAGATTGGAGTTGGGGTGG
2248	GTGCAGTAGACGACTACCGGCGTC	GACGCCGGTAGTCGTCTACTGCAC
2249	TTGCCCCATCGTATCAAGCAATTC	GAATTGCTTGATACGATGGGCGAA
2250	GAATCGCGACTACCCGTCGGGTCA	TGACCCGACGGGTAGTCGCGATTCT
2251	CCAGCACTCGCCATCGGTTATAAT	ATTATAACCGATGGCGAGTGCTGG

2252	CGAACCGTAGAACTCCGGTCGGTG	CACCGACCGGAGTTCTACGGTTCG
2253	GCACCATGACAGAGCCCCAGGATG	CATCCTGGGGCTCTGTCATGGTGC
2254	TGGGCTACCGCAGAATAAGGGTGA	TCACCCTTATTCTGCGGTAGCCCA
2255	TGGCCTGTCGTGTCGAAGGAAACA	TGTTTCCTTCGACACGACAGGCCA
2256	GCCTCACCGATAGCGAGCGTTTGC	GCAAACGCTCGCTATCGGTGAGGC
2257	GTGCGCGCCGGCTAAAACGAGACA	TGTCTCGTTTTAGCCGGCGCGCAC
2258	CCGCAGACGAGTTTCTTGTGACAG	CTGTCACAAGAACTCGTCTGCGG
2259	GTTTCGCAATCGCGTGCTAGGAAGC	GCTTCCTAGCACGCGATTGCGAAC
2260	TGTTGTACACATGCATCCGGTGAA	TTCACCGGATGCATGTGTACAACA
2261	CACTGAACACGATATAAGGGCGCG	CGCGCCCTTATATCGTGTTCACTG
2262	CGCGATGGTTCTTAGCAAGACGAT	ATCGTCTTGCTAAGAACCATCGCG
2263	TACACCAAGGAAGAAATGGGGACG	CGTCCCCATTTCTTCCTTGGTGTA
2264	CGTGCCCTTGCCTTTTAGGTGCAGC	GCTGCACCTAAAACGCAAGGCACG
2265	GTCGTTTGTCTGGGCATTAACGGC	GCCGTTAATGCCCAGACAAACGAC
2266	CAGGCTCTCGTTTCGGTACAAACGT	ACGTTTGTACCGAACGAGAGCCTG
2267	CGGACACTGTTTCACCAGAACCCA	TGGGTTCTGGTGAAACAGTGTCCG
2268	TACCCATGATGCGGAAGAAGCGTA	TACGCTTCTTCCGCATCATGGGTA
2269	CTGTCCCTAAGCGGATGAGAACCG	CGGTTCTCATCCGCTTAAGGACAG
2270	CGGGAGATGAGAACGGTTTTGTGC	GCACAAAACCGTTCTCATCTCCCG
2271	TAGATCGCGACTGTACTCAGGCCG	CGGCCTGAGTACAGTCGCGATCTA
2272	TAAAACAGTTCGCGCGACTGTCGT	ACGACAGTCGCGCGAACTGTTTTA
2273	CGAGGAGCTCCACATAAGCCCAAT	ATTGGGCTTATGTGAGCTCCTCG
2274	TGGCTAGGGATGGGGAATCATCTT	AAGATGATTCCCCATCCCTAGCCA
2275	AGGATTGGGTGCCTGGATGCATTG	CAATGCATCCAGGCACCCAATCCT
2276	TGTATCTACCGGCCTGAAGCAGGT	ACCTGCTTCAGGCCGGTAGATACA
2277	TCCCTACGCGCATGACTCGCTTAC	GTAAGCGAGTCATGCGCGTAGGGA
2278	TGGTCGATCACCTGTGACAGACGC	GCGTCTGTACAGGTGATCGACCA
2279	TGGGGGTAGTCCATGCATCAATTG	CAATTGATGCATGGACTACCCCCA
2280	CCCTGCCAGGATTACTATTCCGGA	TCCGGAATAGTAATCCTGGCAGGG
2281	TCCCGCACGGGGAATTTAAGTAGA	TCTACTTAAATTCCCCGTGCGGGA
2282	GTGATGTGCAGGAACTTCTGTGCG	GCGACAGAAGTTCCTGCACATCAC
2283	ATTTAGGCATGCATGCGCTTCTCA	TGAGAAGCGCATGCATGCCTAAAT
2284	TTGCGCGCTAGTGACGCCGTCAA	TTGACGGCGTCCACTAGCGCCGAA
2285	GAGCTTCATCTCATCAGTTCCGCG	CGCGGAACTGATGAGATGAAGCTC
2286	GACAACTCCACTGCTCCAATCGCA	TGCGATTGGAGCAGTGGAGTTGTC
2287	GGCCAAGGATGGACCTTACGATGG	CCATCGTAAGGTCCATCCTTGGCC
2288	GGTTCCGGAATTTGTACCGCTTC	GAAGCGGTGACAAATTCGGAACC
2289	GCGCTGGATAGTCTGCGAGAAGCC	GGCTTCTCGCAGACTATCCAGCGC
2290	TGAGTCCAGTGCTGCCACCATGAA	TTCATGGTGGCAGCACTGGACTCA
2291	TTGAATTGGGTGTCGGAGCGTTCT	AGAACGCTCCGACACCCAATTCAA
2292	CGGCGGGCAGACAATGCTTTGAAC	GTTCAAAGCATTGTCTGCCCCGCCG

2293	GGGTCTGTCAAAGAGGGTGTCTGG	CCAGACACCCTCTTTGACAGACCC
2294	CTTTGTGCAAGACGAAGCACCCCTT	AAGGGTGCTTCGTCTTGACAAAG
2295	ATCGAATTCAGAGGAGGTCTCCAT	ATGGAGACCTCCTCGGAATTCGAT
2296	TCCGACCCTCAGAGTCGACTCATT	AATGAGTCGACTCTGAGGGTCGGA
2297	ATCAACGGCCACCTCCTCGCCGAG	CTCGGCGAGGAGGTGGCCGTTGAT
2298	AGCCACGGAATAATTCGGTCCACC	GGTGGACGGAATTATTCCGTGGCT
2299	GATCGCTTGCGTATCGCAAAGACT	AGTCTTTGCGATACGCAAGCGATC
2300	TCCACGCCCTTACCATCAACTGCAA	TTGCAGTTGATGGTAAGGCGTGGA
2301	GCCAAGCGATAGGCCAGAACTCAG	CTGAGTTCTGGCCTATCGCTTGGC
2302	AGCGTGTGGGTCAATTTAGCACGA	TCGTGCTAAAATGACCCACACGCT
2303	GTTATGCGCGGCTTACGAGTTCGA	TCGAACTCGTAAGCCGCGCATAAC
2304	TCTGTCCACGTAACCTGCCTGCAG	CTGCAGGCAAGTTACGTGGACAGA
2305	TCGGCAGCCAATGATCATACCTCT	AGAGGTATGATCATTGGCTGCCGA
2306	TAAGCCCGATCCGGTCCTGTGTTT	AAACACAGGACCGGATCGGGCTTA
2307	ACATGGCAGACTAACAGGCCTCGC	GCGAGGCCTGTTAGTCTGCCATGT
2308	CATGGCTGCACTCTAAGTCGAACG	CGTTCGACTTAGAGTGCAGCCATG
2309	TCTTCAACCCACGCGGAACGATTG	CAATCGTTCGCGGTGGGTGAAGA
2310	CTCGTGTCTCCAGAGGATTGTCCC	GGGACAATCCTCTGGAGACACGAG
2311	TGAAGGCATCAACCCAGAGGATTT	AAATCCTCTGGGTGATGCCTTCA
2312	ACAGCTCGAAGGCAGCCACATTGG	CCAATGTGGCTGCCTTCGAGCTGT
2313	ACAACGAGTACCGCGACAGAAGGG	CCCTTCTGTGCGGGTACTCGTTGT
2314	ATAACCGAAAAACCAGCCTGCGAT	ATCGCAGGCTGGTTTTTCGGTTAT
2315	ACAACCTCAGCACTTTCGACGTCCA	TGGACGTCGAAAGTGCTGAGTTGT
2316	CGGGTTACTGGGTATCACCAATGC	GCATTGGTGATACCCAGTAACCCG
2317	CATCGGTTATCGCTGCACGCGCGT	ACGCGCGTGCAGCGATAACCGATG
2318	GAAGGAATCCCGGATAGTCCGTGG	CCACGGACTATCCGGGATTCTTC
2319	GCATGGTCTCAGCCAAAGAACCTG	CAGGTTCTTTGGCTGAGACCATGC
2320	AGCCTGCGACGTTTCCCGACAGAC	GTCTGTGCGGAAACGTCGCAGGCT
2321	AAGAAAGGCGCACGGGATCGATAT	ATATCGATCCCGTGCGCCTTTCTT
2322	TGTCGCGAAGCCAACTTTCAGTAA	TTACTGAAAGTTGGCTTCGCGACA
2323	GCGGCATGCAAGGTAGGTCTGGAT	ATCCAGACCTACCTTGCATGCCGC
2324	GGTGGCCATCTCCTCGAATTGCAT	ATGCAATTCGAGGAGATGGCCACC
2325	GCGTGCATAAGTTGCACATTGTGC	GCACAATGTGCAACTTATGCACGC
2326	TTGAGGTAGCGTTTTTCGCGCATAT	ATATGCGCGAAAACGCTACCTCAA
2327	ATCCCACTTGTGAGAGGGCGCATT	AATGCGCCCTCTCACAAGTGGGAT
2328	CGGTCAGCGAGCAGACATCAACCT	AGGTTGATGTCTGCTCGCTGACCG
2329	GCGTATCTTCGGGTGCAACACTTG	CAAGTGTTGACCCGAAGATACGC
2330	ATGCCATTGAACTCGCACTTTGCG	CGCAAAGTGCGAGTTCAATGGCAT
2331	CGATTCCCATCATAATGTGGGTCC	GGACCCACATTATGATGGGAATCG
2332	CAATTTGGATAATCCAGCCACGCC	GGCGTGGCTGGATTATCCAAATTG
2333	CGGCTTACCCTATGATTCCGTGCA	TGCACGGAATCATAGGGTAAGCCG

2334	GGTGGACCATGCGCTGTGGTATGA	TCATACCACAGCGCATGGTCCACC
2335	TATTTGTCGAAGATCGCAAGCGCC	GGCGCTTGCGATCTTCGACAAATA
2336	GTCAGTGGGTTTTGAGAGCCCGCA	TGCGGGCTCTCAAAACCCACTGAC
2337	AGGGGGTTCGGGAAATCTGACAAAA	TTTTGTCAGATTTCCCGACCCCCT
2338	TGCTTGCTATCCGAAAAAAGCAGG	CCTGCTTTTTTCGGATAGCAAGCA
2339	TTATCGGATCAAATTCGGCTTCGG	CCGAAGCCGAATTTGATCCGATAA
2340	TGCAGCAACGAGTTACCCGGACTT	AAGTCCGGGTAACCTCGTTGCTGCA
2341	TATACATGTCCGGAGGGGACCCCA	TGGGTGCCCCTCCGGACATGTATA
2342	TGCAAAACCGGAGGATGAACCCTT	AAGGGTTCATCCTCCGGTTTTGCA
2343	TCGGTCTAATGTCCACGCAGACAC	GTGTCTGCGTGGACATTAGACCGA
2344	ATGTGTTTGCCACGCGCTCCTATT	AATAGGAGCGCGTGGCAAACACAT
2345	TGGCGAGGCACGGCTCTAATTCGG	CCGAATTAGAGCCGTGCCTCGCCA
2346	GCGACGACCCGAGCGACTTTTACA	TGTAAAAGTCGCTCGGGTCGTCGC
2347	CTCAGAGAGTCTATCCGGCGCCCT	AGGGCGCCGGATAGACTCTCTGAG
2348	GGAACATCTCCTGGGTCCCTCAGA	TCTGAGGGACCCAGGAGATGTTCC
2349	GCAACGCAGGGAAGTACTTAGCGA	TCGCTAAGTACTTCCCTGCGTTGC
2350	TGACTTGGGCGGACAAAGAAACGC	GCGTTTCTTTGTCCGCCCAAGTCA
2351	AGATCATCGGGACGCTTCATGCTA	TAGCATGAAGCGTCCCGATGATCT
2352	CCCTTCTGACCGCTAAGGCCATAA	TTATGGCCTTAGCGGTCAGAAGGG
2353	CGTGAGCCGTGGGGTGTCTCTGTA	TACAGAGACACCCACGGCTCACG
2354	TACCTTGGTCGTCTCCGCTTTTGT	ACAAAAGCGGAGACGACCAAGGTA
2355	TCGCCGCAAATGCTACGTGAAAA	TTTTACGTAGCATTTTTCGGCGGA
2356	GAGTGACCTAATGGCTGCCCCACT	AGTCGGGCAGCCATTAGGTCACTC
2357	AAAGGAACTTGGCCAACCCTATGG	CCATAGGGTTGGCCAAGTTCCCTT
2358	TGTTTTCGCACTCCACCTAATCGC	GCGATTAGGTGGAGTGCGAAAACA
2359	CAATGGGTTTCATAAGGGCAGGCA	TGCCTGCCCTTATGAAACCCATTG
2360	GCCTAACACACAAGGGTCCCTCTG	CAGAGGGACCCCTGTGTGTTAGGC
2361	CGTCATGCGGTCCGAGGATCGATC	GATCGATCCTCGGACCGCATGACG
2362	CCACACGGGCACGGAGTAATATCT	AGATATTACTCCGTGCCCGTGTGG
2363	CATCAGACATAGGTGCGGTGCCGA	TCGGCACGCGACCTATGTCTGATG
2364	AGATGAAACCAAGGGAGGACGCAG	CTGCGTCCTCCCTTGGTTTCATCT
2365	GGCTACCCATAGGCTCAGCAGCAC	GTGCTGCTGAGCCTATGGGTAGCC
2366	GGCTTGTGAGGGTGTGTTCTCGAC	GTCGAGAACACACCCTCACAAGCC
2367	TGTGTTACGGCGAATGCAACAGTC	GACTGTTGCATTGCGCGTAACACA
2368	CGATAACAGGTCGCGCCGTTACTA	TAGTAACGGCGCGACCTGTTATCG
2369	TGATAAAGTGAGGCTCCAGCGCGA	TCGCGCTGGAGCCTCACTTTATCA
2370	AATTGTGCACGGATCTGCACGGCG	CGCCGTGCAGATCCGTGCACAATT
2371	GCAATGTACTGTCACCAGTGCGGA	TCGCCACTGGTGACAGTACATTGC
2372	GGCATATCGGTAACACTTGGTCCG	CCGACCAAGTGTTACCGATATGCC
2373	GGGTCTCAAACCAGCGTGGCCGCT	AGCGGCCACGCTGGTTTGAGACCC
2374	GTCTCCGGGACCATTGAGCTGGAG	CTCCAGCTCAATGGTCCCGGAGAC

2375	GGCCTTCGGCATTGAGACGGGTTG	CAACCCGTCTGAATGCCGAAGGCC
2376	CGTGATAGGCCACAGCGCTCAATT	AATTGAGCGCTGTGGCCTATCACG
2377	GGCAGGCCCGCGAGGATGATTAAAC	GTTAATCATCCTCGCGGGCCTGCC
2378	CGGGTATGGTTGATAACAGCGTGG	CCACGCTGTTATCAACCATAACCCG
2379	ACGACGTCCTTGGGACCGTATTGT	ACAATACGGTCCCAAGGACGTCGT
2380	CTGATATCGAGCCTGAGCCTTTTCG	CGAAAGGCTCAGGCTCGATATCAG
2381	TCCCATTGGCCTGTATGCTGGCCT	AGGCCAGCATACAGGCCAATGGGA
2382	GTGTCGTCGATTGTTTCATCGACG	CGTCGATGAAACAATCGACGACAC
2383	CGAAAGCCAGTAGCCGATTGCGTG	CACGCAATCGGCTACTGGCTTTTCG
2384	GGTTCGGCTTATTCCACTGCGACA	TGTCGCAGTGGAATAAGCCGAACC
2385	AGCGAGGGCTAACTTTTAAACGCG	CGCGTTAAAAAGTTAGCCCTCGCT
2386	CGGCGCTGATGACGGGACTCGATT	AATCGAGTCCCGTCATCAGCGCCG
2387	TCACAGTGCTCGGCGTAAGGACTA	TAGTCCTTACGCCGAGCACTGTGA
2388	CCCATTACGAGCACACACCATGGC	GCCATGGTGTGTGCTCGTAATGGG
2389	GGCCGCTAATCTTTACGCATCACG	CGTGATGCGTAAAGATTAGCGGCC
2390	ACGGCTTCCTAGTGTCCAGCCCTT	AAGGGCTGGACACTAGGAAGCCGT
2391	CTGTCAGGTCCACCAATGGCTC	GAGCCATTGGGTAGGACCTGACAG
2392	CACAGCCCATCCCACTGAACTGCT	AGCAGTTCAGTGGGATGGGCTGTG
2393	ACAAACGATACACGCAACGCTGTG	CACAGCGTTGCGTGTATCGTTTGT
2394	TGGCGGCCAGCTAGCAGGCGAAGT	ACTTCGCCTGCTAGCTGGCCGCCA
2395	ATCTCGAAACGATGCGTGCTAA	TTTAGGCACGCATCGTTTCGAGAT
2396	ATCTCGAGAACAGCGTGCGTGCGG	CCGCACGCACGCTGTTCTCGAGAT
2397	GAAGAAATCCGCCGACATCTACGG	CCGTAGATGTCGGCGGATTTCTTC
2398	GCGGAGCAACCTTGGCTGTTTCTA	TAGAAACAGCCAAGGTTGCTCCGC
2399	CGCGTTCCGAAGACTTGTTGTTTG	CAAACAACAAGTCTTCGGAACGCG
2400	TGACCTGAAGCCCATCCATAAGCA	TGCTTATGGATGGGCTTCAGGTCA
2401	TGGTATTCATTCCGGATAAGCGGG	CCCGCTTATCCGGAATGAATACCA
2402	GCGTTGCGGGTCATTGATGCAAAC	GTTTGCATCAATGACCCGCAACGC
2403	ACCGCTTTCTGTGTAGAGCCCTGA	TCAGGGCTCTACACAGAAAGCGGT
2404	CAAATAGACAATCGCAGCTTCGGG	CCCGAAGCTGCGATTGTCTATTTG
2405	TGTCCTGACAAATCAAGGTGCAGG	CCTGCACCTTGATTTGTCAGGACA
2406	AAATTGCACTCGCGGAGATTTCT	AGGAAATCTCCGCGAGTGCAATTT
2407	TGACGCCCATTTCTATATGGTGCA	TGCACCATATAGAAATGGGCGTCA
2408	TGTTCCGACAGGGCACTGCTAGAC	GTCTAGCAGTGCCCTGTGGAACA
2409	TCGCTGGCTTGGGAAGGCCTTCGT	ACGAAGGCCTTCCCAAGCCAGCGA
2410	GTGCACCTCCGTTGGCGTAGAATG	CATTCTACGCCAACGGAGGTGCAC
2411	CTCATTTGGGACCGATCGGGTTGC	GCAACCCGATCGGTCCCAAATGAG
2412	GCCAGTGTCTGTCAATGGATGGGA	TCCCATCCATTGACAGACACTGGC
2413	TTGCCCGGCAGGTTCTGTGTAATG	CATTACACAGAACCTGCCGGGCAA
2414	ACCCGCGAACCAGACGCACTTCT	AGAAGTGCGTCTCGGTTGCGGGT
2415	TCCGTGCGATTGGTCAAGGTTGAT	ATCAACCTTGACCAATCGCACGGA

2416	AGGGCGTCTCGGTTGAACCTCGGT	ACCGAGGTTCAACCGAGACGCCCT
2417	TGACCGTTCAAAGAGCAAGCCAAC	GTTGGCTTGCTCTTTGAACGGTCA
2418	ACACTCACCTGCTGTCCCTGCTGA	TCAGCAGGGACAGCAGGTGAGTGT
2419	GCGTTTAACTCCTTGGGTGGTGGT	ACCACCACCCAAGGAGTTAAACGC
2420	CGCCTGCGCAGGTAACCTCCGCA	TGCGGAGAGTTACCTGCGCAGGCG
2421	AATCGAATTTCCCAGCGGCTGTTT	AAACAGCCGCTGGGAAATTTCGATT
2422	AAGCAGGTGGGATCCTGGGGATCA	TGATCCCCAGGATCCCACCTGCTT
2423	AATCCCAGACTCGCTCTTCGTGCT	AGCACGAAGAGCGAGTCTGGGATT
2424	ACGTTTATAAGGGCCGGCTGCGAC	GTCGCAGCCGGCCCTTATAACCGT
2425	TACGAGAGCGGGCTTAGACGTCGC	GCGACGTCTAAGCCCGCTCTCGTA
2426	GCGATTTTGACCCACGGTTATCGA	TCGATAACCGTGGGTCAAATCGC
2427	AGCTGTATAATTTGGATGGCGCGA	TCGCGCCATCCAAATTATACAGCT
2428	TCCGCGAGTCTTAGCCGATTGAAC	GTTCAATCGGCTAAGACTCGCGGA
2429	GGCATCAGCTCCGTAAGCCGATAG	CTATCGGCTTACGGAGCTGATGCC
2430	TGTTATTGGCAGTTCGAGCGACAG	CTGTCGCTCGAACTGCCAATAACA
2431	GCGAGCCTTTTTGCTTGGGAAGAG	CTCTTCCCAAGCAAAAAGGCTCGC
2432	AGAAGAAAAGGTCAGCGTCGACGA	TCGTCGACGCTGACCTTTTCTTCT
2433	CGGGTCGACCCTTGAAGCATAACC	GGTTATGCTTCAAGGGTCGACCCG
2434	CTCGGTTTTCACAACTTACCGCG	CGCGGTAAGTTTGTGAAAACCGAG
2435	GCAGTCCTATCCGGAGCCTGACAA	TTGTCAGGCTCCGGATAGGACTGC
2436	AAGGTGCGCTATTTGTTGTCGGTC	GACCGACAACAAATAGCGCACCTT
2437	AGTGGAATCCATGCCGACACCTGA	TCAGGTGTCGGCATGGATTCCACT
2438	TACAGGCGTAATTCCTGCGAGGGA	TCCCTCGCAGGAATTACGCCTGTA
2439	CCGAAGTGCGAGAAGCACGTTGTT	AACAACGTGCTTCTCGCACTTCGG
2440	AAGGACTGGTATGGCCGGAGCTTT	AAAGCTCCGGCCATACCAGTCCTT
2441	GGACACCGCCAACCTCATAGTTGC	GCAACTATGAGGTTGGCGGTGTCC
2442	AATGGTGTTTCGCTGGACTACCAC	GTGGTAGTCCAGGCGAACACCATT
2443	TAGGAAAGCGTACACGGGAATCCG	CGGATTCCCGTGACGCTTTCCTA
2444	TCTCACCCCAATGATGAGGACGTC	GACGTCCTCATCATTGGGGTGAGA
2445	CGTGTCCGTGTGACACTGTCCATG	CATGGACAGTGTACACGCGACACG
2446	TCCAGGCTGTTGCGGATACGGTAG	CTACCGTATCCGCAACAGCCTGGA
2447	GTAGGCAAAATGGTCGCGATCAAT	ATTGATCGCGACCATTTTGCCTAC
2448	ATCTCCGTGGACCCGATTGTGACA	TGTCACAATCGGGTCCACGGAGAT
2449	GAATATGCCGTCAACGCTATGGGC	GCCCATAGCGTTGACGGCATATTC
2450	TTCCGGAAGCGTTTGTAACCTTG	CAAAGTTACCAAACGCTTCCGGAA
2451	TTCGATAGGAATACCAGGGCCTGG	CCAGGCCCTGGTATTCTATCGAA
2452	GGCCATTTGAGGAGGATTATGCAA	TTGCATAATCCTCCTCAAATGGCC
2453	ACCTTCTGACCTGGACTTTTGGCG	CGCCAAAAGTCCAGGTCAGAAGGT
2454	GACCAATCCGCAGTTGAGCAACAG	CTGTTGCTCAACTGCGGATTGGTC
2455	TCGGCCACTCACCATGAGTGTAGG	CCTACACTCATGGTGAGTGGCCGA
2456	AGCGCTCACATGTTTCGAAAACGGG	CCCGTTTTCGAACATGTGAGCGCT

2457	TAACGCAAAGGCGCGATCCTCGCT	AGCGAGGATCGCGCCTTTGCGTTA
2458	TGGGTGGGCCAAATATTACTGCAA	TTGCAGTAATATTTGGCCCACCCA
2459	GTCCTCGAAAGGGGCATCCAAACA	TGTTTGGATGCCCTTTTCGAGGAC
2460	CCCATCTGGTGGGAGGCGTTATCA	TGATAACGCCTCCCACCAGATGGG
2461	GTGCGCGGTCTGCAAACCTCGCCAT	ATGGCGAGTTTGCAGACCGCGCAC
2462	TGTGTTGCCAACCCCTAGGTCATCA	TGATGACCTAGGGTTGGCAACACA
2463	CTGATGCTGTTCTCGTCGGTTGAC	GTCAACCGACGAGAACAGCATCAG
2464	AAGCTGCAAAAGGTGAGCGTGGCA	TGCCACGCTCACCTTTTGCAGCTT
2465	TCTGACGCGTGCTTGGGAGTCTAT	ATAGACTCCCAAGCACGCGTCAGA
2466	GAATTACTTGGAGGCGCCGTGCAA	TTGCACGGCGCCTCCAAGTAATTC
2467	GATTCTTCCCGACCTAGGTTGGCC	GGCCAACCTAGGTCGGGAAGAATC
2468	CGCAGCGTATCCCATGTTGCTTGA	TCAAGCAACATGGGATACGCTGCG
2469	GAGATGGAATTGTTGCCCAAAGA	TCTTTGGGCGAACAATTCCATCTC
2470	GATGCCTGGATCGGTCTAGCGTCA	TGACGCTAGACCGATCCAGGCATC
2471	GCAGCGACTGCTAAGCTATCTCGG	CCGAGATAGCTTAGCAGTCGCTGC
2472	AGGGCTAATTTACATCGCCTTGCC	GGCAAGGCGATGTAAATTAGCCCT
2473	AAGTGCACATCCTCACGAAGCGAT	ATCGCTTCGTGAGGATGTGCACTT
2474	TCAGGCAGCCGTAATTAATGCGC	GCGCATTTAATTACGGCTGCCTGA
2475	CCACTGGGGAAATCGCACTGTTGG	CCAACAGTGCGATTTCCCCAGTGG
2476	TTGTCCAAAGCCACCTACGACAGA	TCTGTCGTAGGTGGCTTTGGACAA
2477	TGGGCGGAATAGATTGGGTGTCTT	AAGACACCCAATCTATTCCGCCCA
2478	TAGAATTCGCCTCTTCTAGCCGCC	GGCGGCTAGAAGAGGCGAATTCTA
2479	CATTACTTCTGCAGATGCGATGC	GCATCGCATCTGCAGGAAGTAATG
2480	GGAAATGCTAGCTGGGGTAATCGC	GCGATTACCCCAGCTAGCATTTCC
2481	GCCGCCACTTGCGAATCTACATCT	AGATGTAGATTTCGCAAGTGGCGGC
2482	ACAATAGCGGACAGCTCGCCAGAT	ATCTGGCGAGCTGTCCGCTATTGT
2483	AGTTAGGCTCTCGGTGCGGTCCAT	ATGGACCGCACCGAGAGCCTAACT
2484	TGGGCCTGAGAAGCGGTTAATAGG	CCTATTAACCGCTTCTCAGGCCCA
2485	ACGCTCTGAGCGACGCCTATCGTA	TACGATAGGCGTCGCTCAGAGCGT
2486	CCTGGTGATCGTGTCCAGACTCA	TGAGTCTGGGACACGATCACCAGG
2487	GCGTGTCCATTGCTTGAGGTTTC	GAAACCTCAAGCGAATGGACACGC
2488	ATCCTGAACGGCGATGACCACCAC	GTGGTGGTCATCGCCGTTCAAGAT
2489	TTACGTTTCTCACCGATCAACGCC	GGCGTTGATCGGTGAGAAACGTAA
2490	GCCGTCTTGAGTGGCTAAAAGGCA	TGCCTTTTAGCCACTCAAGACGGC
2491	ATCTACGATGCGGCTCGAAGTGTT	AACACTTCGAGCCGCATCGTAGAT
2492	AACCAAGACTCGTCCCCAAACGAA	TTCGTTTGGGGACGAGTCTTGTT
2493	AACTGCGGTGGTGGAGGCAGGTGC	GCACCTGCCTCCACCACCGCAGTT
2494	TGCGATCTTCTCCACCTACAGCGC	GCGCTGTAGGTGGAGAAGATCGCA
2495	AGGCGCTTAGAACCGTGAAGGCAG	CTGCCTTACGTTCTAAGCGCCT
2496	TGGAAAATTTTGGGAAACGCTGGA	TCCAGCGTTTCCCAAATTTTCCA
2497	CCAGCGCCGCACCTTCTCCAATAG	CTATTGGAGAAGGTGCGGCGCTGG

2498	TAGACGGCTGGCGAATCTTACGGT	ACCGTAAGATTCGCCAGCCGTCTA
2499	TACCATACAAGAGAACGAGCCGCA	TGCGGCTCGTTCTCTTGATGGTA
2500	GTAGCCGAGAGCAATTTTCACCGC	GCGGTGAAAATTGCTCTCGGCTAC
2501	GCAAACCTCCCCTGCCCTTTAGCCT	AGGCTAAAGGGCAGGGGAGTTTGC
2502	ATCCCGCTGATAACCGCCAGGATA	TATCCTGGCGGTTATCAGCGGGAT
2503	AGTCTCAGTTCGGCGCAACGGTAG	CTACCGTTGCGCCGAACTGAGACT
2504	AACCTACAGTCGCCGCAATGCATT	AATGCATTGCGGCGACTGTAGGTT
2505	ATACACGTTTCAGCCGGCAACAAT	ATTGTTGCCGGCTGAAACGTGTAT
2506	ACGACGGGACGTGCCCTCGTTGAT	ATCAACGAGGGCACGTCCCGTCGT
2507	AAGTCCAAACTCGAATGGGGCAGT	ACTGCCCCATTGAGTTTGGACTT
2508	GATTTATTGGCGCGGTAACGACCT	AGGTCGTTACCGCGCCAATAAATC
2509	TGTTTTAGAGGGCTACCCTGCCAT	ATGGCAGGGTAGCCTCTGAAAACA
2510	ACGGTCTCAGGGAAATGCGATCTC	GAGATCGCATTTCCCTGAGACCGT
2511	GACTTGAAACCGCCTATGCCACA	TGTGGGCATAGGCGGTTTCAAGTC
2512	CGATCGGTTGTGTGCTGTCTTACC	GGTAAGACAGCACACAACCGATCG
2513	AGTAGCACAATGCCTCATTTCCGC	GCGGAAATGAGGCATTGTGCTACT
2514	CTCGCTATCTACGCGTCTCCGAAA	TTTCGGAGACGCGTAGATAGCGAG
2515	AGCCCGTTACGGCATCTAGGATTC	GAATCCTAGATGCCGTAACGGGCT
2516	TCGCGATGGCGAGAGTTCAGAATA	TATTCTGAACTCTCGCCATCGCGA
2517	TTACAGGATTCCAAAACCCGCAAA	TTTGCGGGTTTTGGAATCCTGTAA
2518	CGGTACCAACGCGCGGGCATATGA	TCATATGCCCCGCGGTTGGTACCG
2519	TGCCAGTATTATCCGTGCCAGCCG	CGGCTGGCACGGATAATACTGGCA
2520	ATTCAGACCTCGGGACAACCTGG	CCAGGTTGTCCCGAGGTCTGAAAT
2521	GAAGTGC GCGTAACTTAGGGAGCC	GGCTCCCTAAGTTACGCGCACTTC
2522	TTGGCCAGGTCATCACTCTGCCAT	ATGGCAGAGTGATGACCTGGCCAA
2523	ATCGGCCGGTATTAGCTGCCCTCC	GGAGGGCAGCTAATACCGGCCGAT
2524	CGCAGGTAAGGCCGAGCAATGTTT	AAACATTGCTCGGCCTTACCTGCG
2525	TTGGGAACGTGCTAGGCGGCCCTC	GAGGGCCGCTAGCACGTTCCCAA
2526	CATCTCGGCACACTGGTGCTGTAT	ATACAGCACCAAGTGTGCCGAGATG
2527	ACGCGTAAATCAACGACGTGGTCG	CGACCACGTCGTTGATTACGCGT
2528	CGTAGGTGGTAAATGTTGGCCCAG	CTGGGCCAACATTTACCACCTACG
2529	TTGAGCCAGAATAAAACGGTTGG	CCAACCGTTTTATTCTGGCTCGAA
2530	AGAGATATTCGGCCTCGGTGCGA	TCTCGACCGAGGCCGAATATCTCT
2531	CGACAAAGTTTCTCGCGAGCAACT	AGTTGCTCGCGAGAACTTTGTGCG
2532	ATTGCCGCGTCTCGTATCAAAAGA	TCTTTTGATACGAGACGCGGCAAT
2533	CGGAGAATGGATGCAGGTTCTTCG	CGAAGAACCTGCATCCATTCTCCG
2534	TATAATCATTTGCGACTCGCCCCA	TGGGGCGAGTCGCAAATGATTATA
2535	AATTTTCCCCGATTTGAAGAAGCG	CGCTTCTTCAAATCGGGGAAAATT
2536	TCGCATACTTCGTGCGCGAGTATT	AATACTCGCCGACGAAGTATGCGA
2537	CGTGAGCCGTTCTCATCCAAGCGG	CCGCTTGGATGAGAACGGCTCACG
2538	GCAGAATCGAATTGGGGTGGGTTT	AAACCCACCCCAATTCGATTCTGC

2539	CTCTCGGTTTCTCAACCGAGCTCG	CGAGCTCGGTTGAGAAACCGAGAG
2540	GACCAGTTAGTGCAATGGTTGGCG	CGCCAACCATTGCACTAACTGGTC
2541	TTCTCGCACAGCTAGTCAGCCGAT	ATCGGCTGACTAGCTGTGCGAGAA
2542	CCAAGTCTTGCGTGAGCGATCCTG	CAGGATCGCTCACGCAAGACTTGG
2543	GCGAAAGTGGCTCGTATTTCTCCA	TGGAGAAATACGAGCCACTTTTCGC
2544	CCTCGGGACTGTCCGACTGAAAAA	TTTTTCAGTCGGACAGTCCCGAGG
2545	AGGCGAGTGTACGGCTCATCCATG	CATGGATGAGCCGTACACTCGCCT
2546	GCGGCTCTGCCTACGATATTCACA	TGTGAATATCGTAGGCAGAGCCGC
2547	TGCACCTGTCTGTAGATTTGCGGT	ACCGCAAATCTACAGACAGGTGCA
2548	CATAAAGCACGGACGCGACTTGAT	ATCAAGTCGCGTCCGTGCTTTATG
2549	CCCTCAACGTAGGGCGTGACTTTC	GAAAGTCACGCCCTACGTTGAGGG
2550	GGGTCATCGTGACGTTATGCCGTA	TACGGCATAACTGCACGATGACCC
2551	CCCGGATAATCCTTTGTCCAGCCG	CGGCTGGACAAAGGATTATCCGGG
2552	TCCGATAAGCGAACTCACATGGGT	ACCCATGTGAGTTCGCTTATCGGA
2553	CCTGCTGGTTCGGTCGTAAGCGAA	TTCGCTTACGACCGAACCAGCAGG
2554	GAGGCACCAATCGGTCTGAAAATG	CATTTTCAGACCGATTGGTGCCTC
2555	TACGAAAATGGTTGCGCCGGGTCT	AGACCCGGCGCAACCATTTTCGTA
2556	AATTGCCGGAAGCAGTCAGAATCG	CGATTCTGACTGCTTCCGGCAATT
2557	CCGAATCAGCCGTATTTGCTGGAA	TTCCAGCAAATACGGCTGATTCCGG
2558	CCCGCTTATCTGTACTCGATCGCA	TGCGATCGAGTACAGATAAGCGGG
2559	TTTTGGGGATCCCTATTAGGCGCA	TGCGCCTAATAGGGATCCCCAAAA
2560	AGTGACAGCGCTCACCACGGTCCC	GGGACCGTGGTGAGCGCTGTCACT
2561	CCATGAGTGTTCGGGACATCGTA	TACGATGTCCCGAAACACTCATGG
2562	GCCACATTCTGCTACCTCCGTGTT	AACACGGAGGTAGCAGAATGTGGC
2563	TCCTGTGCTTTGTGACGTGCTAGG	CCTAGCACGTCACAAAGCACAGGA
2564	GACCGCATATACACCTGATGGGCC	GGCCCATCAGGTGTATATGCGGTC
2565	GTAGGCCCCGTCGTTAACCATCTCA	TGAGATGGTTAACGACGGGCCTAC
2566	CGGCTCGCGAAATGGAGTTTAGCG	CGCTAAACTCCATTTGCGGAGCCG
2567	GCTGATCGGCTTTTCACCGCTATA	TATAGCGGTGAAAAGCCGATCAGC
2568	TATCAAATCGTTGGCACGCGACTA	TAGTCGCGTGCCAACGATTTGATA
2569	TTGGCGAGGATCCCTAGGCGTACT	AGTACGCCTAGGGATCCTCGCCAA
2570	AAGTCCTGAGGCCGTTTCGTTTCT	AGAAACCGAACGGCCTCAGGACTT
2571	ACTCCGGACATCTCGGCCAGAGAT	ATCTCTGGCCGAGATGTCCGGAGT
2572	CCAAGGGGAACACAGGATCGTAGA	TCTACGATCCTGTGTTCCCCTTGG
2573	GTGGCCTAAATCCGCCTTCTCAAC	GTTGAGAAGGCGGATTTAGGCCAC
2574	CACTCCGTCTCGTCCATTAATGCG	CGCATTAAATGGACGAGACGGAGTG
2575	TCAAGAACCCAGTGCCGGTCAGCA	TGCTGACCGGCACTGGGTTCTTGA
2576	GAATCAATTTTCAGGGACGGGAC	GTCCCGTCCCTGGAAAATTGATTC
2577	ATCGGTGTGCTGGAGCGCCAGAGT	ACTCTGGCGCTCCAGCACACCGAT
2578	GCCTCTCCTATGACGATGACCCAC	GTGGGTCATCGTCATAGGAGAGGC
2579	TGGGCGCGCTTTTAAGACTACATC	GATGTAGTCTTAAAAGCGCGCCCA

2580	CGTTGGGTACCGTTCTATCAACCG	CGGTTGATAGAACGGTACCCAACG
2581	GCAGTGAGCTGGGTTCATGCTTC	GAAGCATTGAACCCAGCTCACTGC
2582	CATCATCCACACAGGCAGGTGTGT	ACACACCTGCCTGTGTGGATGATG
2583	AGACAAAGGTCCCCATTGCGAAAT	ATTTGCAATGGGGACCTTTGTCT
2584	ATACTCGTCGACGAGAAGCGGAAA	TTTCCGCTTCTCGTCGACGAGTAT
2585	GCAGAAATGTGTTGTCTTCGACGCC	GGCTGCGAAGACAACACATTCTGC
2586	CACCATGCCTTCATCTTGGCCTAG	CTAGGCCAAGATGAAGGCATGGTG
2587	ACTCTTCAACGCCAGGTTAAGCCA	TGGCTTAACCTGGCGTTGAAGAGT
2588	GCGACCTGCGGCGTGTGTATTCTC	GAGAATACACACGCCGCGAGGTCGC
2589	TCGGTGTATGCACCTTTCTCCAT	ATGGAGAAAGGGTGCATACACCGA
2590	ACCGTCGAATCTTGCGGCCAATGT	ACATTGGCCGCAAGATTGACGGT
2591	TAATGCATGCTCCCGGCTCACGTT	AACGTGAGCCGGGAGCATGCATTA
2592	TCTGTACACACCACGTCGTGCACA	TGTGCACGACGTGGTGTGTACAGA
2593	CATGGGGTTGTCAGACGACACCTA	TAGGTGTCGTCTGACAACCCCATG
2594	AATCTGATGCTCGCTGTAGGACGG	CCGTCCTACAGCGAGCATCAGATT
2595	TCGAAACCGCGGGAAAGGGTAAAA	TTTTACCCTTTCCCGCGGTTTCGA
2596	TGGGGGACGGGCGTCTAATCCTCC	GGAGGATTAGACGCCCGTCCOCCA
2597	AGGCATGCACCCATGCTGCCAGAG	CTCTGGCAGCATGGGTGCATGCCT
2598	TCCCAATGGCCTGTCAAGCATAAA	TTTATGCTTGACAGGCCATTGGGA
2599	GAACCTGAGCCTTTGCTAGCACGA	TCGTGCTAGCAAAGGCTCAGGTTT
2600	CGAATTGATAGCGTTACGGGCGAA	TTCGCCCGTAACGCTATCAATTCG
2601	TTGCACGCGCGCGAACGACTATTC	GAATAGTCGTTGCGCGCGGTGCAA
2602	TGCGGTGAAGCAGTCCAAGGTCAG	CTGACCTTGACTGCTTCACCGCA
2603	TGAGGACCATCCAATGGATCGGTT	AACCGATCCATTGGATGGTCCTCA
2604	TCGGTGATTGGTAATTTGGATCCG	CGGATCCAAATTACCAATCACCGA
2605	GCGGGCAGGTAGTTTGACTGGATG	CATCCAGTCAAACCTGCCCCGC
2606	CAAGCACAAGCCCATGAAATTTCA	TGAAATTTTCATGGGCTTGTGCTTG
2607	CGGTACAGCGGATAGCCAAGGATA	TATCCTTGGCTATCCGCTGTACCG
2608	CCATGCTCTTCGCTGCAGCATACT	AGTATGCTGCAGCGAAGAGCATGG
2609	CGCGGCAAAGATTAATTCGCGCG	CGCCGGGAATTAATCTTTGCCGCG
2610	GAAGACCCGTCCGGGTTTCCATAC	GTATGGAAACCCGGACGGGTCTTC
2611	CTGGCAAGGAGGATGTGGCTCGTG	CACGAGCCACATCCTCCTTGCCAG
2612	CTGTGCAGGGGGTGGCTCTGTTGA	TCAACAGAGCCACCCCTGCACAG
2613	TTCAATAATGATCACGAGGCCCCA	TGGGGCCTCGTGATCATTATTGAA
2614	TGGTGATGCGAAGCCTTACCTTTG	CAAAGGTAAGGCTTCGCATACCA
2615	CTGCCACCATCTACGGCGCAGTCT	AGACTGCGCCGTAGATGGTGGCAG
2616	TTTGCCAGCTCTCGCAGAAGTTA	TAACCTCTGCGAGAGCTGGGCAAA
2617	AATTCAGACGCCACATCGACGGTC	GACCGTCGATGTGGCGTCTGAATT
2618	CCGTGGTCTGCCTCGATTACCTAC	GTAGGTAATCGAGGCAGACCACGG
2619	GGCGAGGAATTTGGAACCTTATG	CATAAGGTTCCGAAATTCCTCGCC
2620	ATCCGATGATCAGATACCGGCTGG	CCAGCCGGTATCTGATCATCGGAT

2621	CCATAGACTAGCGCCAGAGTGCCC	GGGCACTCTGGCGCTAGTCTATGG
2622	TGTGGACCTAGAAAATTGCCAGCC	GGCTGGCAATTTTCTAGGTCCACA
2623	GAATAATCATCGCGGTCTCATGG	CCATGAGGACCGCGATGATTATTC
2624	GGGATTGGCTCTTGGTTGGAAGAA	TTCTTCCAACCAAGAGCCAATCCC
2625	ATTGTGCTTCCTCGAACTGGGAAA	TTTCCCAGTTTCGAGGAAGCACAAT
2626	TGCCCCACCCCGTAAGTCAATAAT	ATTATTGACTTACGGGGTGGGGCA
2627	TCAGGACCGACGGTGCACTTAGTG	CACTAAGTGCACCGTCGGTCTCTGA
2628	CCAGCCGTCACAGTGCAATTTCCG	CGGAAATTGCACTGTGACGGCTGG
2629	CTTAAAGAGGCGCGAAGCACAACA	TGTTGTGCTTCGCGCCTCTTTAAG
2630	TACCGCTCGTCGCGATCACAATGA	TCATTGTGATCGCGACGAGCGGTA
2631	CCGAGTGCGCGAAGTGTCTATGTG	CACATAGACACTTCGCGCACTCGG
2632	GCACCAAGTGCCCGATCAAAACGTA	TACGTTTTGATCGGGCACTGGTGC
2633	TGCAGGCTTCTCAACGGCTGGGAG	CTCCCAGCCGTTGAGAAGCCTGCA
2634	CTCCGTACGTATCCCGCGTGATAC	GTATCACGCGGGATACGTACGGAG
2635	GGAAGTGCAACTTAAAGCCCCGCC	GGCGGGGCTTTAAGTTGCACTTCC
2636	CGAACC GG CAGTCGATCGTTGCAT	ATGCAACGATCGACTGCCGGTTCCG
2637	CCGTTAGTGGTCGACAGTTCGGTT	AACCGAACTGTCGACCACTAACGG
2638	TCAGGCTACGCCCTCAGCACTACA	TGTAGTGCTGAGGGCGTAGCCTGA
2639	TATACGGGGCCGAGGTCCGTATTCCG	CGAATACGGACCTCGGCCCGTATA
2640	CCAACGTGTGACGAAGGGCCATTG	CAATGGCCCTTCGTACACGTTGG
2641	CTGCTCAGCGGTGCTTGAAAGACA	TGTCTTTCAAGCACCGCTGAGCAG
2642	GGAGATTGACTTCGCGTTTCACCA	TGGTGAAACGCGAAGTCAATCTCC
2643	ATGGTTCAGAAGGTTCTGTCGGGTT	AACCCGACGAACCTTCTGAACCAT
2644	GAGTGGAGCATTCTCGGCCCTCAA	TTGAGGGCCGAGAATGCTCCACTC
2645	TGGATTGGAACCAATCCCGCACAA	TTGTGCGGGATTGGTTCCAATCCA
2646	TGCTCTTGTTGCTACTCGAGAGGA	TCCTCTCGAGTGACCACAAGAGCA
2647	TTGGGAGCACGGTTACCGCCTGTG	CACAGGCGGTAACCGTGCTCCCAA
2648	CAACGCGAGCTAACGGTAGTTTTCG	CGAAACTACCGTTAGCTCGCGTTG
2649	AACGCTGAGCGCTCACCTTCACCT	AGGTGAAGGTGAGCGCTCAGCGTT
2650	CCGTCGTAGATCTGGAGGCTTCAA	TTGAAGCCTCCAGATCTACGACGG
2651	GGATGGCATGGGCACACTGTAACC	GGTTACAGTGTGCCCATGCCATCC
2652	TCGCTCGTAGATATCCTTCACGCC	GGCGTGAAGGATATCTACGAGCGA
2653	GGAGCAATACCGCGTCCAAAACAC	GTGTTTTGGACGCGGTATTGCTCC
2654	TTGTT CAGACTTAGGCGCTGCCCA	TGGGCAGCGCCTAAGTCTGAACAA
2655	CGGCGGTACTCTTTCCACTGTCCT	AGGACAGTGGAAGAGTACCGCCG
2656	AAGACGATTGCCACGTGCCAGAG	CTCTGGCACGTGGGCAATCGTCTT
2657	AGGTGAGCGCAGGCATATTGCAGT	ACTGCAATATGCCTGCGCTCACCT
2658	CTCGGGCCTGTACAGCAAAGCCGT	ACGGCTTTGCTGTACAGGCCCGAG
2659	TGCGCGCTAGTGCTGCCTATGATC	GATCATAGGCAGCACTAGCGCGCA
2660	CCATCCTTTGCCTTGAGGGTAAGG	CCTTACCCTCAAGGCAAAGGATGG
2661	AACAACAGCGTAAGACGGACAGGG	CCCTGTCCGTCTTACGCTGTTGTT

2662	GAGGCGGTCTGAGGCTCACAATATT	AATATTGTGAGCCTCGACCGCCTC
2663	CGAGGTTAGACGCCTATGACCCAC	GTGGGTCATAGGCGTCTAACCTCG
2664	AACTTGCTATACCGGGCGCAGCAA	TTGCTGCGCCCCGGTATAGCAAGTT
2665	CGCGGTGAATCGCATACACAGCGC	GCGCTGTGTATGCGATTCACCGCG
2666	CACCGAATCAAGCCATATGGCTCT	AGAGCCATATGGCTTGATTCCGGTG
2667	TTCACAGCTATCCTAGGCGCTGCC	GGCAGCGCCTAGGATAGCTGTGAA
2668	AGAAGCGCGAAGTGTAACCCGCAT	ATGCGGGGTACACTTCGCGCTTCT
2669	TGCATGGTATTTGCGTGCGATAGG	CCTATCGCACGCAAATACCATGCA
2670	GGCCGGACCTATGTGAGATGGAAA	TTTCCATCTCACATAGGTCCGGCC
2671	TCAACCTGAGTCCTGATCCCAAGC	GCTTGGGATCAGGACTCAGGTTGA
2672	TGCTTACCGTTCAGGGAGGCGTGT	ACACGCCTCCCTGAACGGTAAGCA
2673	GGAGAGTTACGCGATGAGCCACCT	AGGTGGCTCATCGCGTAACCTCTCC
2674	CGGTATGCGGTGTACAGCTTTCTGT	ACGAAAGCTGTACACCGCATACCG
2675	GTAAGCCGGGTCTCGTGTGCGCGT	ACGGCGACACGAGACCCGGCTTAC
2676	GCGTAGTGCGAACGCCCGACCTA	TAGGTCGGGGCGTTTCGCACTACGC
2677	TCCTCGCGGCTTACGTCAAATTCG	CGAATTTGACGTAAGCCGCGAGGA
2678	CGACGTTCAAAGCGGGAGAGGAGG	CCTCCTCTCCCGCTTTGAACGTCG
2679	CGAGGCACCCCGACATGTTGAGAT	ATCTCAACATGTCGGGGTGCCTCG
2680	CTATTTCTGTGCCGCGTCGGACAAG	CTTGTCCGACGCGGCACGAAATAG
2681	GGCTGCTCAGTGACGTGTCAACTG	CAGTTGACACGTCACTGAGCAGCC
2682	ATCACTCGTGCGTACCCGACCGTC	GACGGTCGGGTACGCACGAGTGAT
2683	CGAGATGTCCTATACCGTGGCGAA	TTCCGCCACGGTATAGGACATCTCG
2684	TCACACCGAGCCCCATAAATGAAA	TTTCATTTATGGGGCTCGGTGTGA
2685	AGCTACGTGTCTCGAGCAAAAGCG	CGCTTTTGCTCGAGACACGTAGCT
2686	TCAGGGCGAGTTTTTTTCAGCGGCG	CGCCGCTGAAAAAACTCGCCCTGA
2687	TTCTGTTCTGTCTATTTTGTCCCG	CGGGGCAAAAATAGACAGAACGAA
2688	TGGTATGCCCAGGATCCAGCCTAC	GTAGGCTGGATCCTGGGCATACCA
2689	TCTCAGTCGTTAGGCCAATGGCGG	CCGCCATTGGCCTAACGACTGAGA
2690	AAAGATCACCGTGGAGCGATCGGC	GCCGATCGCTCCACGGTGATCTTT
2691	TAGCAGGACTTGCACTCGTGATGC	GCATCACGAGTGCAAGTCCTGCTA
2692	TGCCACCGGTACCGTTCAAGGCTG	CAGCCTTGAACGGTACCGTGGGCA
2693	TGAGGTGCGTCGCCCTAAGTAATG	CATTACTTAGGGCGACGCACCTCA
2694	AGCAAGGGTTACAACCCGCAACCC	GGGTTGCGGGTTGTAACCCTTGCT
2695	CACAACAGCCAGTATTCGCCACAA	TTGTGGCGAATACTGGCTGTTGTG
2696	GGCAACACCATACTCGACGAGCTC	GAGCTCGTCGAGTATGGTGTTGCC
2697	GGCTGGATTGACAATTTAGCCCCT	AGGGGCTAAATTGTCAATCCAGCC
2698	CGTGAGAAATGCTACACGCGTCAG	CTGACGCGTGTAGCATTTCTCAG
2699	CGCATCTGCCCCATTTTGTTCCTT	AAGGAACAAAATGGGGCAGATGCG
2700	GTCGGCCTAGTCGGCAGAACGGTG	CACCGTTCTGCCGACTAGGCCGAC
2701	TCCCTCACCTTCCAAAAATGTGCT	AGCACATTTTGGAAAGGTGAGGGA
2702	GGGCAAGAACATGAGAACAGACCG	CGGTCTGTTCTCATGTTCTTGCC

2703	TCGTCCTGGTACGACTTGCGTAGA	TCTACGCAAGTCGTACCAGGACGA
2704	TGGCGGTTGCATGTGATGATCAAG	CTTGATCATCACATGCAACCGCCA
2705	CCTCGCGTGAGTAAAAACCGTCCG	CGGACGGTTTTTACTCACGCGAGG
2706	ACTTCCGCCACAGAATGCGGCCAG	CTGGCCGCATTCTGTGGCGGAAGT
2707	GTGTAGAGCTTGGGTAGCCCCGTT	AACGGGGCTACCCAAGCTCTACAC
2708	CGCAGCATCCGAGTTAACACACAT	ATGTGTGTTAACTCGGATGCTGCG
2709	ATGAGCCTGGGATGATCCGCTGGT	ACCAGCGGATCATCCCAGGCTCAT
2710	CCTGGCATAAGTGCCGACATGCTT	AAGCATGTCGGCACTTATGCCAGG
2711	GCGCATGAAAACTACGACGGACG	CGTCCGTCGTAGTTTTTTCATGCGC
2712	AAAGATGGGTTCGATGGGAGCGTCT	AGACGCTCCCATCGACCCATCTTT
2713	ATCCTGGGCACGAGCGGATTTATC	GATAAATCCGCTCGTGCCAGGAT
2714	TCACCGCATTTGATAGTTACGCGA	TCGCGTAACTATCAAATGCGGTGA
2715	TGGTGGAGCGGACTCTGGTGTTAT	ATAACACCAGAGTCCGCTCCACCA
2716	CACAATGAAAAACAATGGCCCCA	TGGGGCCATTGTTTTTTCATTGTG
2717	CCTTGCCGCGCTTGTGGTACCAAC	GTTGGTACCACAAGCGCGGCAAGG
2718	CCGAGACCTTTGCCACACGAAAGA	TCTTTCGTGTGGCAAAGGTCTCGG
2719	ACCGCGGTGTACACCTGAGCAGGC	GCCTGCTCAGGTGTACACCGCGGT
2720	GTCGTACGCTTACCGCAGCGGAGA	TCTCCGCTGCGGTAAGCGTACGAC
2721	TCGTAATTTGACCGACACACGCAG	CTGCGTGTGTCGGTCAAATTACGA
2722	CCTAGACGGATACCCTGAGCGGAA	TTCCGCTCAGGGTATCCGTCTAGG
2723	AAGCGACAGCAGAGGTTTCAGTCGC	GCGACTGAACCTCTGCTGTCGCTT
2724	GCGTGGACGATATCACCTGGGCGT	ACGCCCAGGTGATATCGTCCACGC
2725	GTCGGAGAGCCAGTGGTACGGCTT	AAGCCGTACCACTGGCTCTCCGAC
2726	TATCCGCACGGTATAGCAGTTGCA	TGCAACTGCTATACCGTGCGGATA
2727	CATCAGTCGGGCTACCTTCAGCCT	AGGCTGAAGGTAGCCCGACTGATG
2728	CGGATTAATGCCTTTCCTCGGAAT	ATTCCGAGGAAAGGCATTAATCCG
2729	TTCGTTCGTGCCAAGCTAATGCAAG	CTTGCAATTAGCTTGGCACGACGAA
2730	GGCCGAGACCACAGTAACAGGTT	AACCTGTTACTGGTGGTCTCGGCC
2731	CGCGCGGAAGCATTGAAGTTACTA	TAGTAACTTCAATGCTTCCGCGCG
2732	TCGGCTTACCGCTTCGTCTGACTT	AAGTCAGACGAAGCGGTAAGCCGA
2733	GACTGACGTCAAGGCAAGCAACAC	GTGTTGCTTGCCTTGACGTCAGTC
2734	AGAGGAAGGAGGGGCTGTGACAGA	TCTGTACAGCCCCCTCCTTCTCT
2735	TTCCAATGCGAGAGATGGCAGGCT	AGCCTGCCATCTCTCGCATTGGAA
2736	AAATGGGGTGCTTCGAATATGTCG	CGACATATTGCAAGCACCCCATTT
2737	GCTGTTCGATTATTGCACGCCTGT	ACAGGCGTGCAATAATCCGACAGC
2738	CCGACTTTGTTTATGTTGCTGGCG	CGCCAGCAACATAAACAAGTCGG
2739	GCTGCGATATAACCCGTCCCAGAA	TTCTGGGACGGGTTATATCGCAGC
2740	TGAGCTGGGCGTCAACTCCGAAGA	TCTTCGGAGTTGACGCCAGCTCA
2741	CCCAAGCATCCTAAATCTCCCTCG	CGAGGGAGATTTAGGATGCTTGGG
2742	CGACAGCAATCCACATGCATTCTT	AAGAATGCATGTGGATTGCTGTGCG
2743	TGAATGGTCGGGAAACCAATGCAT	ATGCATTGGTTTCCCAGACCATTCA

2744	CTTTGCATCGAGATGCGGGGTAGC	GCTACCCCGCATCTCGATGCAAAG
2745	TCCATTTCTCCGCAACTCTCAGG	CCTGAGAGTTGCGGAGGAAATGGA
2746	CCACTACGCCATCCTGACAACGAG	CTCGTTGTCAGGATGGCGTAGTGG
2747	TAGTAAGGCCAATGTACGCCGTCC	GGACGGCGTACATTGGCCTTACTA
2748	GTCATGCATATGGGGCCTGTTTTC	GAAAACAGGCCCCATATGCATGAC
2749	ACCGGTAGACGTTAGCGGGTTC	TTGAACCCGCTAACGTCTACCGGT
2750	TTGGTTCAAACGGCCACACGTCTC	GAGACGTGTGGCCGTTTGAACCAA
2751	GACACAACTGCAAGGGAGGCATG	CATGCCTCCCCTGTCAGTTTGTGTC
2752	CTCGAGCGCTGTCATCATATCGGC	GCCGATATGATGACAGCGCTCGAG
2753	GCGGCTAAGGCACAAGTAGACGTG	CACGTCTACTTGTGCCTTAGCCGC
2754	ACAGCCTAAATGGCGCAAGACCGA	TCGGTCTTGCGCCATTTAGGCTGT
2755	CCGATGATGTAAGCCGTCGGCCCT	AGGGCCGACGGCTTACATCATCGG
2756	AGGAGCAAACAAACGCCAGTGACA	TGTCAGTGGCGTTTGTGCTCCT
2757	ACGAATTGGGTAGCCGGACTGAGA	TCTCAGTCCGGCTACCCAATTCGT
2758	CTGTTCCAGTTCGGCAAGTGCGGC	GCCGCACTTGCCGAAGTGAACAG
2759	AGACAAGTCAGGAACGCGTTTCCG	CGGAAACGCGTTCCTGACTTGTCT
2760	AGACGACGGCCAGATACGCTGCCA	TGGCAGCGTATCTGGCCGTCGTCT
2761	AGGAAGCGCTTCTTCCGGTTCTTC	GAAGAACCGGAAGAAGCGCTTCT
2762	GATGGACGCAACACAAGGCGATC	GATCGCCTTGTGTTTGCCTCCATC
2763	CGCATAGCAGTCTCCGCATCTTGG	CCAAGATGCGGAGACTGCTATGCG
2764	TGGTTCCGGTGTGCAACAGATAAA	TTTATCTGTTGCACACCGGAACCA
2765	CCGTATGCCACCTCCAGAACTCAA	TTGAGTTCTGGAGGTGGCATAACGG
2766	GTAAAGGAACCCCTCGGGAATCCT	AGGATTCCCAGAGGGGTTCTTTAC
2767	GCCTGATGCTCGTTAAATTGCGT	ACGCAATTTTAACGAGCATCAGGC
2768	TCGCACTTGGAACCATGAGATCTGA	TCAGATCTCATGGTCCAAGTGCGA
2769	TTCTCAGGCTGGGCAAGAGTCTGT	ACAGACTCTTGCCAGCCTGAGAA
2770	CGGACCTGGGGATGCTGGGATTAC	GTAATCCCAGCATCCCCAGGTCCG
2771	TCGAGCCGATAGGGTTGGCATTGC	GCAATGCCAACCCTATCGGCTCGA
2772	TACGTGTGTCCACACACGTCGTA	TACGACGTGTGTGGGACACACGTA
2773	TGTGAAATTCGCGTTTCGCATCTT	AAGATGCGAAACGCGAATTTTACA
2774	TTGCAATGCTCCAAAAAACTGCC	GGCAGTTTTTTTGGAGCATTGCAA
2775	TCTCATCATGGCTGTGGCTTTGAC	GTCAAAGCCACAGCCATGATGAGA
2776	ATTACACCGCTTGGTTTGGAGTGG	CCACTCCAAACCAAGCGGTGTAAT
2777	GCCGTGCAATGCACAGAGTTCAAG	CTTGAACCTCTGTGCATTGCACGGC
2778	GAGATCAGACCGTGTGCGATGCTG	CAGCATCCGACACGGTCTGATCTC
2779	CCACCTATCTTGATGCGACCTGGA	TCCAGGTCGCATCAAGATAGGTGG
2780	CCGATCGCCGTTTATGTCTACGGC	GCCGTAGACATAAACGGCGATCGG
2781	GAAAATCACGGTAAGGCACGTTTCG	CGAACGTGCCTTACCGTGATTTTC
2782	GATTCTCGCTTCCCAACGAGCATA	TATGCTCGTTGGGAAGCGAGAATC
2783	TGTGAAATGTGGCAGTCTCAGGGA	TCCCTGAGACTGCCACATTTTACA
2784	CGATCCTGCGTGCCTCATCCAGGC	GCCTGGATGAGGCACGCAGGATCG

2785	CCCTCAAGTGGGCGAGGGTTTTCA	TGAAAACCCTCGCCCACTTGAGGG
2786	TCGCCTCCGCCTCGTGTGTAGAAG	CTTCTACACACGAGGCGGAGGCGA
2787	TTCGCTTTCAGCTCATTGGAACGA	TCGTTCCAATGAGCTGAAAGCGAA
2788	TGTAATCTGAACAAGCGGACCCCT	AGGGGTCCGCTTGTTTCAGATTACA
2789	TGGAATCTTTCTTGAGCGCCGTGA	TCACGGCGCTCAAGAAAGATTCCA
2790	GGCTTTCATCTTTAACCGCTCGGT	ACCGAGCGGTTAAAGATGAAAGCC
2791	TGATCCGAGCCATTCCTAATCACC	GGTGATTAGGAATGGCTCGGATCA
2792	TGGTAGGCGTGATGTCCTACGCAA	TTGCGTAGGACATCACGCCTACCA
2793	AGGCATCGGTAAGAAGGCCCTATG	CATAGGGCCTTCTTACCGATGCCT
2794	CGCCGCGAGACGATCCTTATTATT	AATAATAAGGATCGTCTCGCGGCG
2795	ACATGGACGAAATTACGCCCCTCA	TGACGGGCGTAATTTTCGTCCATGT
2796	ACAGAAAGGTGGGGAGCCTAGCGT	ACGCTAGGCTCCCCACCTTTCTGT
2797	AGGCTTGCGAACATGGGTAGTGAC	GTCACTACCCATGTTTCGCAAGCCT
2798	GCGTGGGCCTTGCTCCTGTTTAAC	GTTAAACAGGAGCAAGGCCACGC
2799	GAATACAGAGCGTCCGATGTGCCC	GGGCACATCGGACGCTCTGTATTC
2800	GCGACTCTGTAGGGAGCGCGATAT	ATATCGCGCTCCCTACAGAGTCGC
2801	GGTGCACCTCATATGCGTCGCATCG	CGATGCGACGCATATGAGTGCACC
2802	CTGTCCCACGGGAAACCTTACTT	AAGTAAGGTTTCCCCGTGGGACAG
2803	TGGCTTACTGTGCAATCTAGGCC	GGCCTAGATTGCGACAGTAAGCCA
2804	GCACTCAGTTTCCGGTATCCCATG	CATGGGATACCGGAAACTGAGTGC
2805	GTGAGGTTACGTAAGGCACAGCG	CGCTGTGCCTTACGTGAACCTCAC
2806	GTAACGCCTTTGTCCCCAGCGTAT	ATACGCTGGGGACAAAGGCGTTAC
2807	GCATTGATATGGTCGGTCTCGCCT	AGGCGAGACCGACCATATCAATGC
2808	GTGGGTTTAAGTGACAACGGACGC	GCGTCCGTTGTCACTTAAACCCAC
2809	CAAAACCCTGCCGAAGATGTTGGT	ACCAACATCTTCGGCAGGGTTTTG
2810	TCCGAGGAGACTGAACCTGCTACC	GGTAGCAGGTTCAGTCTCCTCGGA
2811	CGGGGAAGAACGGATTCGCTAAAT	ATTTAGCGAATCCGTTCTTCCCCG
2812	TGGTTAGCTTATGTGCGAGCCACC	GGTGGCTCCGACATAAGCTAACCA
2813	ACGCGTCGATGAACTAAGGCTCGC	GCGAGCCTTAGTTCATCGACGCGT
2814	TTCTCCTGACGAGTACGCAGTGGG	CCCACTGCGTACTCGTCAGGAGAA
2815	TCCGCGGTTGCCGTTTGTAGGA	TCCTAACAAACCGGCAACCGCGGA
2816	TGGCGCATCTTTCAGGGGATGATG	CATCATCCCCTGAAAGATGCGCCA
2817	TCTTTGGTCCTTGGTGTTTACGCG	CGCGTAAACACCAAGGACCAAGA
2818	GAGAACTCCCGCTACAAAGGAGCC	GGCTCCTTTGTAGCGGGAGTTCTC
2819	TTAACGTGGGAACCGTTGGTGAAT	ATTCACCAACGGTTCCACGTTAA
2820	GGGACACCATCCTTGGGTTTGTTA	TAACAAACCCAAGGATGGTGTCCC
2821	CAACAAACCGCCTTGGGAAGTGAC	GTCATTCCCAAGGCGGTTTGTG
2822	TTGAAGGCCACCGATACTGATCGC	GCGATCAGTATCGGTGGCCTTCAA
2823	TCGTAATAGAACTGCGCCCAATGC	GCATTGGGCGCAGTTCTATTACGA
2824	GGCACGTTGCCCAAGTTGGATCCA	TGGATCCAACCTGGGCAACGTGCC
2825	ACATAGCTTGGCCGGACACCCACC	GGTGGGTGTCCGGCCAAGCTATGT

2826	CTTGCCGCCTTGCGAGTGGCTAAA	TTTAGCCACTCGCAAGGCGGCAAG
2827	AATGGCTCGCCAGATACCGCAGCC	GGCTGCGGTATCTGGCGAGCCATT
2828	CAAAAGGCGTGTCCGAACCTTTTCA	TGAAAAGTTTCGGACACGCCTTTTG
2829	CGTCCACTTAGGTGGAGATACGCC	GGCGTATCTCCACCTAAGTGGACG
2830	GAGCCTCTTCGTCTGAAGACCGA	TCGGTCTTCAGGACGAAGAGGCTC
2831	AACATCAAGCGGCAATCTCCCTTC	GAAGGGAGATTGCCGCTTGATGTT
2832	CGTCCTGACATTATTAGCGCGTGC	GCACGCGCTAATAATGTCAGGACG
2833	TGTGCAGACCCTAACGACCTACGG	CCGTAGGTCGTTAGGGTCTGCACA
2834	TTAGGTCGGCCTAGACCCTCCGTA	TACGGAGGGTCTAGGCCGACCTAA
2835	TCACATCGCTTAACTGAGCGCATT	AATGCGCTCAGTTAAGCGATGTGA
2836	AGACCTTCCCACGCGAGATGCTAC	GTAGCATCTCGCGTGGGAAGGTCT
2837	TTCTTGCCAAAATGTGTCCAACCA	TGGTTGGACACATTTTGGCAAGAA
2838	CAGTTTTTCATTGCAGCGAAAGCAA	TTGCTTTCGCTGCAATGAAAAC TG
2839	GTGCCGATCCCGAGACAAGTTCCG	CGGAAC TTGTCTCGGGATCGGCAC
2840	CATCCGGCCTCAGTGATTCTTACC	GGTAAGAATCACTGAGGCCGGATG
2841	TGCTGGAAGCCACAAACGTTACGT	ACGTAACGTTTGTGGCTTCCAGCA
2842	GAACGGCCAGGGGACA ACTATCGT	ACGATAGTTGTCCCCTGGCCGTTT
2843	TCATCTAGGTCTGAAGCGCAAGACA	TGTCTTGCGCTTCGACCTAGATGA
2844	TTTGGTACCAGCACCCATGTTCC	GGAACATGGGTGCTGGTAACCAAA
2845	GACAACAGTCTGTCCGCCACATCC	GGATGTGGCGGACAGACTGTTGTC
2846	GCCAACAGGAGATGCTTGACCAT	ATGGTGCAAGCATCTCCTGTTGGC
2847	CTAAGGACGCATTGACCCCTGAAC	GTTCAAGGGGTCAATGCGTCCTTAG
2848	GGTCGCGTAGTGAGTCAGAGGCGT	ACGCCTCTGACTCACTACGCGACC
2849	TTACCTCATGAACCCTTCGCGGCG	CGCCGCGAAGGGTTCATGAGGTAA
2850	TATACAGCATCGTCGCCGGGCATA	TATGCCCGGCGACGATGCTGTATA
2851	GCTTAGTGGCGTCTTCGTCTAGG	CCTACGACGAAGACGCCACTAAGC
2852	TGCACTCCGCAACCTTGTGAAATC	GATTTTACAAGGTTGCGGAGTGCA
2853	AACCCGTCATGCCGACTCCATCTA	TAGATGGAGTCGGCATGACGGGTT
2854	AGCACTAGTGGCGTGCGACTTTGC	GCAAAGTCGCACGCCACTAGTGCT
2855	TAAAAAGTGCCGCTAACCACGGAG	CTCCGTGGTTAGCGGCACTTTTTA
2856	CGCGGAATATTTGTCTCGTCCGATTC	GAATCGGACGACAAATATTCCGCG
2857	TTCTGCTATGCGTATGGGGGCCCG	CGGGCCCCCATACGCATAGCAGAA
2858	CGAACTACTGCGTCAGCCTCTCCC	GGGAGAGGCTGACGCAGTAGTTCCG
2859	AGATGACGAATTAGCGGGGTTGGG	CCCAACCCCGCTAATTCGTCATCT
2860	AATAACAGTGGCAATGAGCGGGAA	TTCCCGCTCATTGCCACTGTTATT
2861	ATATGTTGATTCCCGTGCTGCACA	TGTGCAGCACGGGAATCAACATAT
2862	AGAGTGGGCACCACCAGGCAGACA	TGTCTGCCTGGTGGTGCCCACTCT
2863	AGGCCTGGGTTTCTGCGTCTTAGT	ACTAAGACGCAGAAACCCAGGCCT
2864	CGGACGTGACAAACGGACATACCC	GGGTATGTCCGTTTGTACGTCGG
2865	CAAGTGTTTCGGCCCAACTCTCGA	TCGAGAGTTGGGCCGAAACACTTG
2866	GAACCCTTATCGGGATAGGCCCAA	TTGGGCCTATCCCGATAAGGGTTC

2867	CAGGACGATACCAAGCAGAACGCC	GGCGTTCTGCTTGGTATCGTCCTG
2868	GCGTCTTGTGATTCTGCCCTAACC	GGTTAGGGCAGAATCACAAGACGC
2869	AAACAACCATCAATGTCGGGTCCA	TGGACCCGACATTGATGTTGTTT
2870	TGTAAAGACCAGTTGGCGGCTCTC	GAGAGCCGCCAACTGGTCTTTACA
2871	GCGTTTTGACTCGGTGGTCAGTCC	GGA CTGACCACCGAGTCAAAACGC
2872	TGTATGGAGGCACGGCAAAGTCTT	AAGACTTTGCCGTGCCTCCATACA
2873	TTACCTAGGTTCCCGCTGACACGC	GCGTGT CAGCGGGAACCTAGGTAA
2874	CGGCTCGTGGGAATCCTCTGAAGA	TCTTCAGAGGATTCCCACGAGCCG
2875	CCGGCTCGGGCATTCTTGACCT	AGGTCCAAGAAATGCCCGAGCCGG
2876	CAACGATGGAATTGTCTCCTTGGG	CCCAAGGAGACAATTCCATCGTTG
2877	CGGGCTATTATCGGGATTATGGGG	CCCCATAATCCCGATAATAGCCCG
2878	ACGTACCTGAAGATGCAACGGCGG	CCGCCGTTGCATCTTCAGGTACGT
2879	CATGGTGCAGCACGCACAAGTAAC	GTTACTTGTGCGTGCTGCACCATG
2880	CGTCGATATGTCGGGCTATTGCCT	AGGCAATAGCCCGACATATCGACG
2881	AAATGCAGGGTTAAGAGGAGGCC	GGGCCTCCTCTTAACCCTGCATTT
2882	TGCAAGGACTGATTCTCCCGCTGT	ACAGCGGGAGAATCAGTCCTTGCA
2883	GTTTTCGGAACGCCGCAGAGTTCA	TGAACTCTGCGGCGTTCCGAAAAC
2884	CCCTCGATGGTTCATTGGGAAGAC	GTCTTCCCAATGAACCATCGAGGG
2885	CCTGTTTCGCTCATAATGGTGGGGT	ACCCACCATTATGAGCGAACAGG
2886	GAAAGAACGATCGCGGAATAGCTG	CAGCTATTCCGCGATCGTTCTTTC
2887	TCCACCTGTGTGCCTTTATCCTCA	TGAGGATAAAGGCACACAGGTGGA
2888	TCCTCCGTGAACCGCTGTAGCGCA	TGCGCTACAGCGGTTACGGAGGA
2889	TTGAGATTTTTACGGTTTCCCCGC	GCGGGGAAACCGTAAAAATCTCAA
2890	CGATAGGACGTGGGCATGTCCAG	CTGGGACATGCCACGTCCTATCG
2891	CCCGAACTTTGAGATCCGAGAACA	TGTTCTCGGATCTCAAAGTTCGGG
2892	TCACGCAGCTAGAGTCGCGTTACC	GGTAACGCGACTCTAGCTGCGTGA
2893	AGATAACGCCCACTGACGACATGC	GCATGTCTGTCAGTGGGCGTTATCT
2894	ACGCTTAGAGCTCCGATGCCGAAT	ATTCGGCATCGGAGCTCTAAGCGT
2895	GGGCGATAACTTAAATTGTGCCGC	GCGGCACAATTTAAGTTATCGCCC
2896	AGGACGTT CATGCGTCTCTTGCA	TGCAAAGAGACGCATGAACGTCCT
2897	CGGCTGGTAGAACTGTGCATCGTA	TACGATGCACAGTTCTACCAGCCG
2898	TTCGAAATGTACTTCCCACGCGGA	TCCGCGTGGGAAGTACATTTGAA
2899	GCAGGTTGGCTGTCTTGTTGGAGTC	GACTCCACAAGACAGCCAACCTGC
2900	CGTTTGGTTGCTTCAAGAACCGGT	ACCGGTTCTTGAAGCAACCAAACG
2901	CATACTTGTTGTTGTGCCACGC	GCGTGGGCACAACAACCAAGTATG
2902	GGGGTCGGCTGAAGTGTTTTATCC	GGATAAAACACTTCAGCCGACCCC
2903	GTGACGGTTGATTAACGACCGTGG	CCACGGTCGTTAATCAACCGTCAC
2904	CTTATGGCAGCGCCAGGGGCACTC	GAGTGCCCCTGGCGCTGCCATAAG
2905	GTTAGGGGACCCACCTCGTTTGAT	ATCAAACGAGGTGGGTCCCCTAAC
2906	CAATATAAATGCCGCGCATCGAGT	ACTCGATGCGCGGCATTTATATTG
2907	TTCTTCATCAGCAGTCCCCGAGAA	TTCTCGGGGACTGCTGATGAAGAA

2908	AGTTGCGTCCCTTGATGGCATT	AAAATGCCATCAAGGGACGCAACT
2909	CCGACTTTCGTCCACGATTCCTCT	AGAGGAATCGTGGACGAAAGTCGG
2910	ACTTGCCGGACGACAGCAAAGAC	GTCTTTGCTGTCGTCCGGCCAAGT
2911	CACCGCGGTAGATGTATCCCTTCC	GGAAGGGATACATCTACCGCGGTG
2912	GTTAGCTTTAGCTCGGCACGCCTG	CAGGCGTGCCGAGCTAAAGCTAAC
2913	GCGCATAAGAAGGTCCGCTAAAGC	GCTTTAGCGGACCTTCTTATGCGC
2914	ACATCATCACGCCTGGCGTGACCA	TGGTCACGCCAGGCGTGATGATGT
2915	CCGGCGAAGTTTGGTGTGATTAGA	TCTAATCACACCAAACCTTCGCCGG
2916	TGCACCGCCAGATTGTGCTGAGTC	GACTCAGCACAATCTGGCGGTGCA
2917	ACATGTGAAGTGAGTGCCGTCCAA	TTGGACGGCACTCACTTCACATGT
2918	CCTCTGGAGGGGATTAGCCACGCT	AGCGTGGCTAATCCCTCCAGAGG
2919	CAATAGCCATGTCACTGGCAACGG	CCGTTGCCAGTGACATGGCTATTG
2920	ACCCATGGTTCCAACGTTCTTTCG	CGAAAGAACGTTGGAACCATGGGT
2921	AATCTGGTCTTGGCATCCTCCAAA	TTTGGAGGATGCCAAGACCAGATT
2922	GTATACCGGTGCATGCTGAAGCAA	TTGCTTCAGCATGCACCGGTATAC
2923	AGTGTTCTGGTTCGAGTCGACCCG	CGGGTCGACTCGAACCAGAACACT
2924	CGGGTATTTCGACACACAGAGGAC	GTCCTCGTGTGTGTCGAATACCCG
2925	AGTGCAACAGAGCGCTTGGTCACG	CGTGACCAAGCGCTCTGTTGCACT
2926	TGCACCTATAGTTTGGTGCCGGTG	CACCGGCACCAAACCTATAGGTGCA
2927	TGCTCACGTACCAGGACACTCGAG	CTCGAGTGTCTTGGTACGTGAGCA
2928	AGTCCACACCTCGAACGACAGGCG	CGCCTGTCGTTTCGAGGTGTGGACT
2929	CGCCGACCTGGTCAAAGAGCGCTA	TAGCGCTCTTTGACCAGGTCGGCG
2930	GCCTAAGGGCCTGTCGTTTTCCGA	TCGGAAAACGACAGGCCCTTAGGC
2931	TGTGCGTGCTTATGTTCCGGTCTC	GAGACCGGAACATAAGCACGCACA
2932	CAACCGTTGGCCGTAACAAAAATC	GATTTTTGTTACGGCCAACGGTTG
2933	CGAGAATCAAGGCGTACCATCTCG	CGAGATGGTACGCCTTGATTCTCG
2934	GCGTAGGCAGCCTCCAGGGAATGG	CCATTCCCTGGAGGCTGCCTACGC
2935	GATGGTGTTTTTCGCCAAGACCAAT	ATTGGTCTTGGCGAAAACACCATC
2936	CAAGCTAGGGACAGAATTGCCAC	GTGGGCAATTCTGTCCCTAGCTTG
2937	TAAATAGGCGAAACCGTTCGTGGC	GCCACGAACGGTTTCGCCTATTTA
2938	TCAAGACCCGCAATGTGTTTCATGT	ACATGAACACATTGCGGGTCTTGA
2939	GCGGCTGGTAGACTCTTTCACAA	TTGTGCAAAGAGTCTACCAGCCGC
2940	CAGGCGTAAACCTGAACCAAACGG	CCGTTTGGTTCAGGTTTACGCCTG
2941	GCCGATCTGTGCTGAGGTTTCATCA	TGATGAACCTCAGCACAGATCGGC
2942	GATATCGCGTCGCAATATCACGCG	CGCGTGATATTGCGACGCGATATC
2943	CCCTGCACGATTAAGCCACCTGTA	TACAGGTGGCTTAATCGTGCAGGG
2944	TGACATACAGATTTGTGTGGCCCC	GGGGCCACACAAATCTGTATGTCA
2945	GTTTGCGGCCGGTATTCACGATGT	ACATCGTGAATACCGGCCGCAAAC
2946	TTTTACCTGGCCATTGGTGAGCTC	GAGCTACCAATGGCCAGGTAAAA
2947	CTCTACTCAATCAGGGTGGGAGCG	CGCTCCCACCCTGATTGAGTAGAG
2948	GGGTTGGAGGGAGTCTTGACCATT	AATGGTCAAGACTCCCTCCAACCC

2949	CGAGGTCGGTAAGGAAAAGCTTGC	GCAAGCTTTTCCTTACCGACCTCG
2950	CTTTACGCAGGCACCTCCGAGCTG	CAGCTCGGAGGTGCCTGCGTAAAG
2951	CATTGTATGGCCACGTGATTGACG	CGTCAATCACGTGGCCATACAATG
2952	GTACGGTGCGAGAGCGCCTAAGCG	CGCTTAGGCGCTCTCGCACCGTAC
2953	TTCCATATGCCGAAATGGACACAA	TTGTGTCCATTTTCGGCATATGAA
2954	TACGCCCTTCGCTATAGCTCGTGA	TCACGAGCTATAGCGGAAGGCGTA
2955	CTGTACGCCACGCATGAAGGGTGA	TCACCCTTCATGCGTGGCGTACAG
2956	CTTACGCGTCCAATGACTGCCACC	GGTGGCAGTCATTGGACGCGTAAAG
2957	CACATGGTAGAACTCGATCGGCAG	CTGCCGATCGAGTTCTACCATGTG
2958	CGCACCGGAAACTAGTGGATGTGT	ACACATCCACTAGTTTCCGGTGCG
2959	ACTATGGCAACCGACACTTGGTCC	GGACCAAGTGTCGGTTGCCATAGT
2960	CTAGTTTGCGCTACCCACCTGCAA	TTGCAGGTGGGTAGCGCAAACCTAG
2961	TAGTATCGCCCGACAATAGCCTGG	CCAGGCTATTGTCGGGCGATACTA
2962	CCAATATTTACGGCCTGATCAGCG	CGCTGATCAGGCCGTAAATATTGG
2963	ATGGCTATCCCTTACTGGCTCGCC	GGCGAGCCAGTAAGGGATAGCCAT
2964	CAAACTTGGCAGGCTTGGGACTT	AAGTCCCAAGCCTGCCAAGTTTTG
2965	AATGACCGAGGCTGCAAGATTGAC	GTCAATCTTGCAGCCTCGGTCATT
2966	ATCATCTTTGCCACCAGACATGG	CCATGTCTGGTGGCGAAAGATGAT
2967	CGTTATTACCGATGCACACGTTGC	GCAACGTGTGCATCGGTAATAACG
2968	CACACTGGCAATCGCCTCCCTCGT	ACGAGGGAGGCGATTGCCAGTGTG
2969	AGGTTGGTAGGAAATCGGAGCGCT	AGCGCTCCGATTTCTACCAACCT
2970	GCTGAACCACTGTGGTCAAGATGC	GCATCTTGACCACAGTGGTTCAGC
2971	CGTTGAGTACGACACGGTCGAGGT	ACCTCGACCGTGTCTACTCAACG
2972	TTTTTCCGCCGCAATGTGATCTAA	TTAGATCACATTGCGGCGGAAAAA
2973	ACAATACCTCGACCGCTCAGCATC	GATGCTGAGCGGTGCGAGGTATTGT
2974	AGTATCCCTGCTGGCATAACGGG	CCCGTGTATGCCAGCAGGGATACT
2975	TCTTGGGCTCGGTAGTTCAGCACT	AGTGCTGAACTACCGAGCCCAAGA
2976	CCCTATATCGAGCCCATAGGGCGA	TCGCCCTATGGGCTCGATATAGGG
2977	CACGAGTGGCATCAACGGCCTACT	AGTAGGCCGTTGATGCCACTCGTG
2978	TGCAGGGTCCGATGTGTTCAAGTA	TACTTGAACACATCGGACCCTGCA
2979	GCTTGACCGCTGCTAACCTCGTAC	GTACGAGGTTAGCAGCGGTCAAGC
2980	TTTTGCATCTCTCCACCATCCAGA	TCTGGATGGTGGAGAGATGCAAAA
2981	AGAATGTGCACCGGCTTCCATCTT	AAGATGGAAGCCGGTGCACATTCT
2982	TGTTATGACCCGCTCTGTGGCGTG	CACGCCACAGAGCGGGTCATAACA
2983	GGAGCTCCTGTTTCATCGAGGCTA	TAGCCTCGATGAAACAGGAGCTCC
2984	CATTTTGCTGTTTGGGGTCCCAT	ATGGGACCCCCAAACAGCAAAATG
2985	CCCGCTCCTTCACGTGAGACGAGA	TCTCGTCTCACGTGAAGGAGCGGG
2986	GCGCTCAAGTCGATTGCCACAACC	GGTTGTGGCAATCGACTTGAGCGC
2987	CGGTTGACGGAGACCGCAGTACTT	AAGTACTGCGGTCTCCGTCAACCG
2988	ACTCAAGACCGGTGCACCTCCAGC	GCTGGAGGTGCACCGGTCTTGAGT
2989	TTTCGTGTGCATGCAAGTAATGGC	GCCATTACTTGCATGCACACGAAA

2990	GCGGCGTTAGCTCGAGCTAACAAA	TTTGTTAGCTCGAGCTAACGCCGC
2991	GGGTATCCTGCCCGAGCAGTAATT	AATTACTGCTCGGGCAGGATACCC
2992	GGCTCCGAATCTCTTGCCGGTCT	AGACCGGACAAGAGATTCGGAGCC
2993	AGGATGGCCACGCCGAATCAAAGT	ACTTTGATTCGGCGTGGCCATCCT
2994	GTGCGGGGACGTTTACATAACGAG	CTCGTTATGTAAACGTCCCCGCAC
2995	ACTTTTGACCTGAGGCCGCTTGCA	TGCAAGCGGCCTCAGGTCAAAAGT
2996	ACTCCGCTTCAATGGAGACCGTTG	CAACGGTCTCCATTGAAGCGGAGT
2997	GATCGGAATTCGCCGCCATATTGA	TCAATATGGCGGCGAATTCCGATC
2998	ATGCGTGCCCATGGAATGACTTTT	AAAAGTCATTCCATGGGCACGCAT
2999	CCGCATCGCACGAAGGCAGGTCAT	ATGACCTGCCTTCGTGCGATGCGG
3000	CACCCTATGCGTCTCCAATTCCTG	CAGGAATTGGAGACGCATAGGGTG
3001	TGATATGCATCGCTGAGCCTCTGT	ACAGAGGCTCAGCGATGCATATCA
3002	AGCTTCACACGCTCACTGAACCTG	CAGGTTCACTGAGCGTGTGAAGCT
3003	AACCCGGAACCTCCTCTCACTCGG	CCGAGTGAGAGGAGGTTCCGGGTT
3004	CTCGTCAAACCTTGCCCGAGGAGTC	GACTCCTCGGCCAAGTTTGACGAG
3005	GTAGCTGGCAACAGGCAATCAGGA	TCCTGATTGCCTGTTGCCAGCTAC
3006	CTTGTCACGAATATTCGCCAAGCG	CGCTTGGCGAATATTCGTGACAAG
3007	CAGTATCTGAAACACGGGGTGCTG	CAGCACCCCGTGTTTCAGATACTG
3008	GGCTAAAATGGGCGCCACGTGTA	TACACGTGGGCGCCCATTTTAGCC
3009	ATGAGAGCCAAGCGCCTCAACTCC	GGAGTTGAGGCGCTTGGCTCTCAT
3010	TATTGTTAGGCACCGCTTCGCGCT	AGCGCGAAGCGGTGCCTAACAATA
3011	GGAAGTAGATTGCCAGTGCTCGCC	GGCGAGCACTGGCAATCTAGTTCC
3012	AGTCGACCCCAAGGCAACTGGGTC	GACCCAGTTGCCTTGGGGTCGACT
3013	GGTACTGTTAGCTCGACGATGGCC	GGCCATCGTCGAGCTAACAGTACC
3014	CCGCAATACTTGACGGTAACAGGG	CCCTGTTACCGTCAAGTATTGCGG
3015	AATCCGGGTTTGAACGGTTGGAA	TTCCAACCGTTCAAACCCGGAATT
3016	GACACGCAATCGGGTCTATGCGAA	TTCGCATAGACCCGATTGCGTGTC
3017	GATTTTGGCGTCTCATTGCGTGAT	ATCACGCAATGAGACGCCAAAATC
3018	TGCCATAGGGAGGAAACGCAATTA	TAATTGCGTTTCCTCCCTATGGCA
3019	GAGGTGCCCATGTTAGTGGTGTCC	GGACACCACTAACATGGGCACCTC
3020	GCTTTAGCGGTCATACGACCACCA	TGGTGGTCGTATGACCGCTAAAGC
3021	CCGCTACCAACAATCCGATTAACG	CGTTAATCGGATTGTTGGTAGCGG
3022	GAGGATCTGGCCACATCGAGAAAG	CTTTCTCGATGTGGCCAGATCCTC
3023	CTCGTTTGGTACCACGTTTTGCCG	CGGCAAAACGTGGTACCAAACGAG
3024	AATACACGCGGCGTAAACAGACGA	TCGTCTGTTTACGCCGCGTGATT
3025	TGTCATGGGCCAAATGACAGTGGC	GCCACTGTCATTTGGCCCATGACA
3026	ACAGCACTTCCGACCCGTGTACGA	TCGTACACGGGTCGGAAGTGCTGT
3027	CTCCGTAAAGAGCACAGCTTTGCC	GGCAAAGCTGTGCTCTTTACGGAG
3028	ACGAACAGGTAGGGATCGGTCCTC	GAGGACCGATCCCTACCTGTTCTG
3029	TGGATCCACCTTACCGCGCCATCG	CGATGGCGCGGTAAGGTGGATCCA
3030	AGTATCAAATAGCGGCGCGGCAAG	CTTGCCGCGCCGCTATTTGATACT

3031	GAATTACATTGTGGATGGAGGCGG	CCGCCTCCATCCACAATGTAATTC
3032	CTCCTCGGGGAGTCGAGGAGTACG	CGTACTCCTCGACTCCCCGAGGAG
3033	AGTGTCGAGCCAACTCCCACCAAT	ATTGGTGGGAGTTGGCTCGACACT
3034	AAATGACATCCGTTTGGCCACAGC	GCTGTGGCCAAACGGATGTCATTT
3035	CGAATCATATCGCCATCGAACTGG	CCAGTTCGATGGCGATATGATTCCG
3036	TATAATGCACTCGCTTGGTGCGCA	TGCGCACCAAGCGAGTGCATTATA
3037	GCCAAGCAGATGGTAATTATGGCG	CGCCATAATTACCATCTGCTTGGC
3038	CACGCGGGAAGAGCACGTAGAACT	AGTTCTACGTGCTCTTCCCGCGTG
3039	TACCCGAGAATTTGAGAACAGCG	CGCTGTTCTCCAAATTCTCGGGTA
3040	TGACGGCAAACGTGGCATCTATC	GATAGATGCCACAGTTTGCCGTCA
3041	CACAGTGTTCCAGCCCTTGACGAT	ATCGTCAAGGGCTGGAACACTGTG
3042	TACCCGCCACACATGAAAGTTGG	CCAACTTTCATGTGTGGGCGGGTA
3043	TGGCATATTTAAGATTCGGCGACG	CGTCGCCGAATCTTAAATATGCCA
3044	ACTGAAAAAGAACGGGTAGCGGG	CCCGCTACCCGTTCTTTTTTCAGT
3045	TCTGACCGCAATAGGTGGTCATTG	CAATGACCACCTATTGCGGTCAGA
3046	ACTTTTTGGCGGGCCCTCTCTCGT	ACGAGAGAGGGCCCCGCCAAAAGT
3047	CTGCCAGATCATTGCGCGATCCG	CGGATCGCGCAATGATCTGGGCAG
3048	CGGAGGTTAAATGCTTTAACCGGC	GCCGGTTAAAGCATTTAACCTCCG
3049	AGGCGTCTCCAAACGTCTTCTGT	ACAGAAGGACGTTTGGAGACGCCT
3050	AGATGCTATCCTGAGTGGGCCTGC	GCAGGCCCCACTCAGGATAGCATCT
3051	ACAGGGTGAAGAGACCGTGGGATG	CATCCACGGTCTCTTACCCCTGT
3052	GACTGTCTAACGGACGACACGACG	CGTCGTGTGTCGTCGTTAGACAGTC
3053	AGCTGTTAGGACCCGACAACCGGT	ACCGGTTGTGCGGTCTTAACAGCT
3054	TTGCGTAGTGTGGGCATTTCTCT	AGAGGAAATGCCACACTACGCAA
3055	ATGCGCGCTTCTTTCCTTGATGTA	TACATCAAGGAAAGAAGCGCGCAT
3056	TTAAGGGCGTCCGCGTCTATTAG	CTGAATAGACGCGGACGCCCTTAA
3057	ACCTTTAACTTGTACCGCGGCC	GGGCCGCGGTACAAGTTTAAAGGT
3058	AGGGATGCAGAGGCACCATGTT	AACATGTGGTGCCTCTGCATCCCT
3059	CGTTTCGACGTATGAGCATCCGCA	TGCGGATGCTCATACGTCGAACCG
3060	CAGGGCGATAGTCACATGGAGGTT	AACCTCCATGTGACTATCGCCCTG
3061	GCTTGACTGCCCCGTTTCATATGT	ACATATGAAACGGGGCAGTCAAGC
3062	CGAAGGGGTTGTGCAATTACCCGA	TCGGGTAATTGCACAACCCCTTCG
3063	AAAACGCACCGCAATGACAAAATT	AATTTTGTCAATTGCGGTGCGTTTT
3064	ATTCCTGGACAAGACCTCAACCG	CGGTTGAGGGTCTTGTCCAGGAAT
3065	CCTACCTGCCTGCTAGCGGTGAGG	CCTCACCGCTAGCAGGCAGGTAGG
3066	GCTCGTAAATGGGGAGGAATTGGA	TCCAATTCCTCCCCATTTACGAGC
3067	ACATGAAAACAGGCTCAATTGGGG	CCCCAATTGAGCCTGTTTTCATGT
3068	GTTCCGCACATGGATTGAGGTCTC	GAGACCTCAATCCATGTGCGGAAC
3069	GGCACCCAATACCACGAAGAAGAA	TTCTTCTTCGTGGTATTGGGTGCC
3070	AGGGGCATTTTGAAGTCCATCTTT	AAAGATGGAGTTCGAAATGCCCT
3071	CATCATCACAAGGAACGTCGGTG	CACCGACGTTCTTTGTGATGATG

3072	TAAAGACCCACCGTCAGCAGCAGC	GCTGCTGCTGACGGTGGGTCTTTA
3073	CCCCAGGCGTAATGCACCACATAG	CTATGTGGTGCATTACGCCTGGGG
3074	GCAGGTGGAACGCTAGTGGTTGAA	TTCAACCACTAGCGTTCGACCTGC
3075	GGAACCTAGGAGTTCACGTCGCCA	TGGCGACGTGAACTCCTAAGTTCC
3076	GCAGATACGGCTAGCTGAGGTGGC	GCCACCTCAGCTAGCCGTATCTGC
3077	CACAGGCCTAGAGCCTCGGCGTTC	GAACGCCGAGGCTCTAGGCCTGTG
3078	GTTTTGCGCGCATGAGGTTTCATTA	TAATGAACCTCATGCGCGCAAAAC
3079	TTGCGCCTGATGCCAGCAGTACTA	TAGTACTGCTGGCATCAGGCGCAA
3080	GATATCAGGCTTTCCCACTGCCGC	GCGGCAGTGGGAAAGCCTGATATC
3081	TGCGCGGAGACGGAGATCTATGAA	TTCATAGATCTCCGTCTCCGCGCA
3082	CATTGGTGTGGCTGAGAGTGGAC	GTCCACTCTCAGCCAACACCAATG
3083	GTCGGCACTTGGGCACCATTAATA	TATTAATGGTGCCCAAGTGCCGAC
3084	ATCGATCGGTGTCTCACCACGGAG	CTCCGTGGTGAGACACCGATCGAT
3085	CGTAGCCTTCCACCGTGTGATAG	CTATCGACACGGTGGAAGGCTACG
3086	CGCTCTCCGTCTGAGGAAAAGGGG	CCCCTTTTCCTCAGACGGAGAGCG
3087	TCGCCCCAGCCAAGGATATATTGC	GCAATATATCCTTGGCTGGGGCGA
3088	TCTCTTGCAAGGAAGTCTGCCGTC	GACGGCAGAGTTCCTTGCAAGAGA
3089	GTCCTGGACAGACGGAGGGTGTTA	TAACACCCTCCGTCTGTCCAGGAC
3090	GCCAAATTAAGCGGGCTCGTAATC	GATTACGAGCCCGCTTAATTTGGC
3091	CCATTTGTTGACCGATGGGAGGGG	CCCCTCCCATCGGTCAACAAATGG
3092	TGGTCAAAAGAGCACGATCCAGGA	TCCTGGATCGTGCTCTTTTGACCA
3093	CGCTACTAAGACGCCCCTGTCCAC	GTGGACAGGGGCGTCTTAGTAGCG
3094	CATACCTCCCGCTTGGATTCACTG	CAGTGAATCCAAGCGGGAGGTATG
3095	CCGCGGAAGGAATGTCATCTACAA	TTGTAGATGACATTCCTCCGCGG
3096	CACGGGACATTCAATCACAGGACG	CGTCCTGTGAATGAATGTCCCGTG
3097	AGGAGTCACCCACTCCGCACAAAA	TTTTGTGCGGAGTGGGTGACTCCT
3098	TCATGACAGCGCACCCCATACCAT	ATGGTATGGGGTGCGCTGTCATGA
3099	GGTAGGGGACTATCGATCGTGCTG	CAGCACGATCGATAGTCCCCTACC
3100	ATGTCTCACTACCGCACGTAGCGG	CCGCTACGTGCGGTAGTGAGACAT
3101	ACGGAGGAGCGACTCGTTCGCTGC	GCAGCGAACGAGTCGCTCCTCCGT
3102	GAAGTCTGTCGCCGGTGGACGGAC	GTCCGTCCACCGGCGACAGACTTC
3103	CCGTAACGTGTATTTCGGACGAGCG	CGCTCGTCCGAATACAGTTACGG
3104	CGTGGAAGCGACTTAACCAATCGT	ACGATTGGTTAAGTCGCTTCCACG
3105	GGCATGGGCTATGCCTCACACTAG	CTAGTGTGAGGCATAGCCCATGCC
3106	GGGTCGTATTTTCAGCATCGTTTCGT	ACGAACGATGCTGAAATACGACCC
3107	AATGGTCGCGCAAACCGTAAGAAT	ATTCTTACGGTTTGCGCGACCATT
3108	CTGGATTCCGTACGTCCAACGTTT	AAACGTTGGACGTACCGAATCCAG
3109	CGCAAAAACACCCGTAGCCAAGAA	TTCTTGCTACGGGTGTTTTTGCG
3110	TATGGATACGCTTTTGGACTGGGC	GCCCAGTCCAAAAGCGTATCCATA
3111	GCTTCAAACGCGCTTCACGCTGGT	ACCAGCGTGAAGCGCGTTTGAAGC
3112	TACAGCCCGCTCTACCTCGCCACC	GGTGGCGAGGTAGAGCGGGCTGTA

3113	TCAACCGATGTCAAATGCACGTT	AACGTGCATTTTGACATCGGTTGA
3114	AGCTCTCTCCGAAGTAGGGCGGTA	TACCGCCCTACTTCGGAGAGAGCT
3115	ACGCACACATGGAGACTTGGCTCC	GGAGCCAAGTCTCCATGTGTGCGT
3116	TTCTTGAAAGCTAGTGGGGCGCTA	TAGCGCCCCACTAGCTTTCAAGAA
3117	CAATCACGGCTGGGCTATTCTGTG	CACAGAATAGCCCAGCCGTGATTG
3118	GTGGCGACCCGTCGGTGAAAGAGT	ACTCTTTCACCGACGGGTCGCCAC
3119	CGTCGAATGCCGAACCAGTTAAGT	ACTTAACTGGTTCGGCATTGACG
3120	TGCGTATTTGCATGCTCACAGCTG	CAGCTGTGAGCATGCAAATACGCA
3121	CGCAGTTGGTTTGTGCACGGCTGC	GCAGCCGTGCACAAACCAACTGCG
3122	GTTTTTCCGTGAAAACCTGGCATCG	CGATGCCAGTTTTACGGAAAAAC
3123	ACAGGTTCTCCACCACGATTTGA	TCAAATCGTGGTGGAGGAACCTGT
3124	CTAGCGCGCTTTTAGGTCTTGCG	CGCAAGGACCTAAAAGCGCGCTAG
3125	CAAAATCAAAGGGATCAACCGGTG	CACCGGTTGATCCCTTTGATTTTG
3126	AACGTAACCCCAAGTGAATCAGGCA	TGCCTGACTCACTGGGGTTACGTT
3127	TCAACCGGTGCACTTTAGAACGCC	GGCGTTCTAAAGTGCACCGGTTGA
3128	ATCGCAAAGTTGCAGGCGAATACT	AGTATTCGCCTGCAACTTTGCGAT
3129	ATATGTCCCTGGGTGCTGCACAAC	GTTGTGCAGCACCCAGGGACATAT
3130	TGGCACTTTGTAGTGCTGCGGTGG	CCACCGCAGCACTACAAAGTGCCA
3131	ACGCACGACGTCTTCTAAGCTCG	CGAGCTTAGAAGGACGTCGTGCGT
3132	CCCACGTGCACTATAGGGATTTG	CGAAATCCCTATAGTGCACGTGGG
3133	CCGCGCTTGGTCAGTCATCCTTGC	GCAAGGATGACTGACCAAGCGCGG
3134	AGCGGCTCAGGGAATAACAACAGG	CCTGTTGTTATTCCCTGAGCCGCT
3135	ACAACGCGATCGGAGGCAACCAGT	ACTGGTTGCCTCCGATCGCGTTGT
3136	AGCAATTGCCTCCGTAGAAACCCA	TGGGTTTCTACGGAGGCAATTGCT
3137	GAGTCGTGGCATCGCCTGCTATCG	CGATAGCAGGCGATGCCACGACTC
3138	TCTATGCAAATACTGCGCTTGCGA	TCGCAAGCGCAGTATTTGCATAGA
3139	TCAGCTTAAGTTACGGTGTGGCCG	CGGCCACACCGTAACCTAAGCTGA
3140	TCCAAGGTCGAACAGGGATCAGAA	TTCTGATCCCTGTTGACCTTGGA
3141	GTTAGGCTGGCGTCAATAGCGCTT	AAGCGCTATTGACGCCAGCCTAAC
3142	GGTGTGATAAGGAAGAGGGCATCG	CGATGCCCTCTTCTTATGACACC
3143	CCGGCGGGCTAGATCAATATTTCT	AGAAATATTGATCTAGCCCGCCGG
3144	CTAACGTCAAGTTTTACGCCCCGA	TCGGGGCGTAAACTTGACGTTAG
3145	GCAGCACAGTTTTCCGATTTGCGG	CCGCAAATCGGAAACTGTGCTGC
3146	CGCACGCAAGGGGAGGGATGACTG	CAGTCATCCCTCCCTTGCGTGCG
3147	CGGGGCCGAAAAGGACGTCACAAG	CTTGTGACGTCCTTTTCGGCCCCG
3148	TTCTCCAACACGGCTAACCGGTAG	CTACCGGTTAGCCGTGTTGGAGAA
3149	TTACAGCCTGGCCGAGGTAGTTG	CAACTACCTCGGGCCAGGCTGTAA
3150	TTTCGGGCAGCATGAGTTATCGAA	TTGATAACTCATGCTGCCCGAAA
3151	CTACTGGACGCCCTGCTTCGAAGT	ACTTCGAAGCAGGGCGTCCAGTAG
3152	GGTCGTCCGACGTGAAAAGACCAA	TTGGTCTTTTCACGTCGGACGACC
3153	GTTTTGAGCTCTTCTCCGCAGG	CCTGCGGAGAAAGAGCTCGAAAAC

10

15

3154	GCGTGAAGGTACCCAGTGTACACAG	CTGTGACACTGGGTACCTTCACGC
3155	TTTCTGAACGCTTCGACGCAACAC	GTGTTGCGTCGAAGCGTTCAGAAA
3156	TGCTAATAAGCACGCCTAGCCCGT	ACGGGCTAGGCGTGCTTATTAGCA
3157	AAATTAATTGTGGTGGCTCCGGCG	CGCCGGAGCCACCACAATTAATTT
3158	TTACAATCCTCGGGCTCACTGACA	TGTCAGTGAGCCCGAGGATTGTAA
3159	GCTGAAGGACAAGGCGTGGGCAAC	GTTGCCACGCGCTTGTCCTTCAGC
3160	GGGATAGGAGACCCTCGCAATGGT	ACCATTGCGAGGGTCTCCTATCCC
3161	TTGCAGTACGTCCTTGCGCATGAA	TTCATGCGCAAGGACGTACTGCAA
3162	TTGATCACTGGATTGGGTGCGAAC	GTTGCGACCCAATCCAGTGATCAA
3163	TCTGCAGACGTTGCGAGAGATGAT	ATCATCTCTCGCAACGTCTGCAGA
3164	AGTCTAGCAGGGATCGAAGCGGAT	ATCCGCTTCGATCCCTGCTAGACT
3165	GGGGTCCCGCAACAATAATGAAG	CTTCATTAGTTGTTGCGGGACCCC
3166	CAACCTCTTATGTGGTGTGCGCGA	TCGCGCACACCACATAAGAGGTTG
3167	CTCGCTGGGTTGCTGGAGTAGCAC	GTGCTACTCCAGCAACCCAGCGAG
3168	CGTTGTATTGTGCAACGCGAAGTT	AACTTCGCGTTGCACAATAACAAG
3169	GGGCTCAAAGTGCCTGAGTCGAAA	TTTCGACTCAGGCACTTTGAGCCC
3170	CTGCTGTGCCCTCTCAGTGAGAGC	GCTCTCACTGAGAGGGCACAGCAG
3171	CGGACGTACTGTTGCGGAGTCCTCA	TGAGGACTCCGAACAGTACGTCCG
3172	GTATACCACCATAACGGGGACCGCA	TGCGGTCCCGGTATGGTGGTATAC

TABLE 3

Seq. ID No.	Decoder Sequence (5'-3')	Probe Sequence (5'-3')
17	TTCCGCCGTCGTGTAGGCTTTTCAA	TTGAAAAGCCTACACGACGGCGAA
18	GTTCCCAGTGAAGCTGCGATCTGG	CCAGATCGCAGCTTCACTGGGAAC
19	TACTTGGCATGGAATCCCTTACGC	GCGTAAGGGATTCCATGCCAAGTA
20	ACTAGCATATTTTCAGGGCACCGGC	GCCGGTGCCCTGAAATATGCTAGT
21	GAACGGTCAATGAACCCGCTGTGA	TCACAGCGGGTTCATTGACCGTTC
22	GCGGCCTTGGTTCAATATGAATCG	CGATTCATATTGAACCAAGGCCGC
23	GATCGTTAGAGGGACCTTGCCCGA	TCGGGCAAGGTCCCTCTAACGATC
24	TGGACCTAGTCCGGCAGTGACGAA	TTCGTCACTGCCGGACTAGGTCCA
25	ATAAACTACCCAGGACGGGCGGAA	TTCCGCCCCGTCCTGGGTAGTTTAT
26	CATCGGTTTCGCGCCAATCCAGATA	TATCTGGATTGGCGCGAACCGATG
27	GTCGGGCATAGAGCCGACCACCCT	AGGGTGGTCGGCTCTATGCCCGAC
28	CTTGGGTCATGATTCACCGTGCTA	TAGCACGGTGAATCATGACCCAAG
29	TGCCTAACGTGCTAATCAGCAGCG	CGCTGCTGATTAGCACGTTAGGCA
30	CGCATGTTGGAGCATATGCCCTGA	TCAGGGCATATGCTCCAACATGCG
31	AGCCACTGCATCAGTGCTGTTCAA	TTGAACAGCACTGATGCAGTGGCT
32	GGTTGTTTTGAGGCGTCCCACACT	AGTGTGGGACGCCTCAAAACAACC
33	TCGACCAAGAGCAAGGGCGGACCA	TGGTCCGCCCTTGCTCTTGGTCTGA
34	GACATCGCTATTGCGCATGGATCA	TGATCCATGCGCAATAGCGATGTC
35	GAAATACGAAGTCTGCGGGAGTCG	CGACTCCCGCAGACTTCGTATTTTC
36	TGTCATGAATGATTGATCGCGCGA	TCGCGCGATCAATCATTATGACA
37	ATATCGGGATTCTGTTCCCGGTGAA	TTCACCGGGAACGAATCCCGATAT
38	GCGAGCGTACCGAAGGGCCTAGAA	TTCTAGGCCCTTCGGTACGCTCGC
39	TTACCGGCAGCGGACTTCCGAATT	AATTCGGAAGTCCGCTGCCGGTAA
40	GTAATCGAGAGCTGCGCGCCGTCT	AGACGGCGCGCAGCTCTCGATTAC
41	CCTGTTAGCGTAGGCGAGTCGATC	GATCGACTCGCCTACGCTAACAGG
42	TAGCGGACCGGCAGAATGAGTTCC	GGAACTCATTCTGCCGGTCCGCTA
43	GGTACATGCACTACGCGCACTCGG	CCGAGTGCGCGTAGTGATGTACC
44	AATTCATCTCGGACTCCCGCGGTA	TACCGCGGGAGTCCGAGATGAATT
45	GCCAAATCTGGATTGGCAGGAATG	CATTCCTGCCAATCCAGATTTGGC
46	TGCATTTTCGGTTGAGGCACATCC	GGATGTGCCTCAACCGAAAATGCA
47	CCGCTCAATTCACCATGCTTCGCT	AGCGAAGCATGGTGAATTGAGCGG
48	CTCGGAAAGGTGCAACTTTGGTGT	ACACCAAAGTTGCACCTTTCCGAG
49	AATTCGACCAGCAGAACGTCCCAT	ATGGGACGTTCTGCTGGTCTGAATT
50	GCCAGAGTCTCAACCTCACGGGAT	ATCCCGTGAGGTTGAGACTCTGGC
51	CCAACAACGGAAACGGGAACCCGC	GCGGGTTCCCGTTCCAGTTGTTGG
52	GAGAACTGATCGCTGAGGGGCATG	CATGCCCTCAGCGATCAGTTCTC
53	GGCACACTAGACTTGTGGCACCGA	TCGGTGCCACAAGTCTAGTGTGCC

54	TCACATCCAAATATGGTCCGCGAA	TTCGCGGACCATATTTGGATGTGA
55	GTCTGCCGGTGTGACCGCTTCATT	AATGAAGCGGTACACCCGGCAGAC
56	CATCGCAGAGCATAAACACCTCA	TGAGGGTGTATTATGCTCTGCGATG
57	GTTGGTATCTATGGCAGAGGCGGA	TCCGCCTCTGCCATAGATACCAAC
58	ACGAGGTGCCGCTGAGGTTCCATT	AATGGAACCTCAGCGGCACCTCGT
59	GGAATGAGTGGACCCAGGCACATT	AATGTGCCTGGGTCCACTCATTCC
60	TGTCAATATGCGTCCGTGTCTCT	AGACGACACGGACGCATATTGACA
61	TGATGAGCCTCAGGGTACGAGGCA	TGCCTCGTACCCTGAGGCTCATCA
62	CACCGCGGTGTTCTACAGAAATGA	TCATTCTGTAGGAACACCGCGGTG
63	TTGTTGCCAATGGTGTCCGCTCGG	CCGAGCGGACACCATTGGCAACAA
64	TTAACCTGCGTCTGCCCCCTTCT	AGGAAAGGGGCAGACGCAGGTTAA
65	AGGCGCGTTTCTGCCTTAGTGACG	CGTCACTAAGGCAGGAACGCGCCT
66	TAGGGCGATGGCACGAAGCTTCAA	TTGAAGCTTCGTGCCATCGCCCTA
67	TGCATAGAGCCAAAGTCGGCGATG	CATCGCCGACTTTGGCTCTATGCA
68	TTGAGAGGCAGGTGGCCACACGGA	TCCGTGTGGCCACCTGCCTCTCAA
69	TCCGCATTGTGAGAAAAACGAGC	GCTCGTTTTTTCTCACAATGCGGA
70	GGCGGTTTCCGTAGCTATAGGTGC	GCACCTATAGCTACGGAAACCGCC
71	GGTGAAAATTTCTAGCCACGGGC	GCCCGTGGCTACGAAATTTTACC
72	CCGACGGAGGATGAAGACAATCAC	GTGATTGTCTTCATCCTCCGTCGG
73	CCAGTTTGGCCCAATTCGCCAAAA	TTTTGGCGAATTGGGCCAACTGG
74	GGATCTATTAGGCCGTGCGCACAG	CTGTGCGCACGGCCTAATAGATCC
75	CGGATGTCACCGTTTGGACTTTCA	TGAAAGTCCAAACGGTGACATCCG
76	ATCGCAAATCCTGCTCGTCCCTAA	TTAGGGACGAGCAGGATTTGCGAT
77	CAGGGCATGCAATAATCGAGGTTT	GAACCTCGATTATTGCATGCCCTG
78	CATGCGTTGATATATGGGCCCAAG	CTTGGGCCCATATATCAACGCATG
79	CAGCTGCAGCTTGTGACCAACCAC	GTGGTTGGTCACAAGCTGCAGCTG
80	TTGTATGTCTGCCGACCGGCGACC	GGTCGCCGGTCGGCAGACATACAA
81	GATGGCGCCCGTTGATAGGTATGG	CCATACCTATCAACGGGCGCCATC
82	ATGAGAATCGCCGGCAATCTGCTA	TAGCAGATTGCCGGCGATTCTCAT
83	ATTTGCACTGACCGCAGGCTCGTG	CACGAGCCTGCGGTGAGTGAAAT
84	CAGGGAGAACGGTTAAGTTCCCGT	ACGGGAACCTAACCGTTCTCCCTG
85	AGGCCGGCGATCGAGGAGTTTGGT	ACCAAACCTCCTCGATCGCCGGCCT
86	ACACGGTGGTCTCTGATAGCGACC	GGTCGCTATCAGAGACCACCGTGT
87	GTGCAACGCCGAGGACTTCCATCA	TGATGGAAGTCCTCGGCGTTGCAC
88	TCGGTGCCTGATAGCCATTCCGAT	ATCGGAATGGCTATCAGGCACCGA
89	TGAAATACCACACAGCCAATTGGC	GCCAATTGGCTGTGTGGTATTTCA
90	GCATCGTGTACATGACTGCCGCGA	TCGCGGCAGTCATGTACACGATGC
91	CAGTGTCTAACGGCGCGCGTGAA	TTACGCGCGCCGTTAGAACACTG
92	CGCTTGCAACGTTGCACCTACTCT	AGAGTAGGTGCAACGTTGCAAGCG
93	CGAAAACTAGTGGGCTCGCCGCG	CGCGGCGAGCCCACTAGTTTTTCG
94	CTTTCAGGGGAAC TGCCGGAGTCG	CGACTCCGGCAGTTCCCCTGAAAG

95	TTGTGGCCTTCTTGTAAGGCACG	CGTGCCTTTACAAGAAGGCCACAA
96	TCCACGAACGGCGACCCGTTGTCT	AGACAACGGGTGCGCGTTTCGTGGA
97	CGACCTTGACGAAACCTAACGAG	CTCGTTAGGTTTCGTGCAAGGTCG
98	GTGCAGCTTCACGAGCCAGCCTGA	TCAGGCTGGCTCGTGAAGCTGCAC
99	CGCTTTCGTGCGAATAGACGATGA	TCATCGTCTATTTCGCACGAAAGCG
100	TGCGCTTACAGGCTCCTAGTGGTC	GACCACTAGGAGCCTGTAAGCGCA
101	CACGCGCTTAGTCGCGATCGCATA	TATGCGATCGCGACTAAGCGCGTG
102	CGGAGGGAGGGAGCTAGCCTTCGA	TCGAAGGCTAGCTCCCTCCCTCCG
103	GCATCCGGCCTGTTGATGACGCCT	AGGCGTCATCAACAGGCCGGATGC
104	AGGCCAATCGATCTTATTGCCGAG	CTCGGCAATAAGATCGATTGGCCT
105	CCTTCCAATGATTGCATACGCCCA	TGGGCGTATGCAATCATTGGAAGG
106	AACACTTGATCAGGCGGGTCGTCT	AGACGACCCGCCTGATCAAGTGTT
107	TGGAATCAAGGCCGTAAAGGACAG	CTGTCCTTTACGGCCTTGATTCCA
108	GCTCCCGTAACCTGTCCACCAGTG	CACTGGTGGACAGGTTACGGGAGC
109	AGTGGTGAATGGCCGCTACCCTGA	TCAGGGTAGCGGCCATTCACTACT
110	TGTTGAAGCGAGCTAAAACGGCCA	TGGCCGTTTTAGCTCGCTTCAACA
111	CAGCGCTCCAGAATTGACAGCAAT	ATTGCTGTCAATTCTGGAGCGCTG
2	TTGGAAGCGCACGTCCCTTTTCAA	TTGAAAAGGGACGTGCGCTTCGAA
3	AACGCGTGCGGAATGGGACATCAA	TTGATGTCCCATTCCCCACGCGTT
114	CACGAGATACCGGCGTAAGGGTGG	CCACCCTTACGCCGGTATCTCGTG
115	CTACGGCAAACGTGTGGAATGGGT	ACCCATTCCACACGTTTGCCGTAG
116	GTAGGGCGATGACGGGCGAACTAC	GTAGTTCGCCCCTCATCGCCCTAC
117	AATCGACCTCCGCACACATTTCGA	TGCGAATGTGTGCGGAGGTTCGATT
118	GAGTCAGCATGGCGGCGGAGATTC	GAATCTCCGCCGCCATGCTGACTC
119	AGATAAAGACGCTGGCAACACGGG	CCCGTGTTGCCAGCGTCTTTATCT
120	GGTACCTCAACGCGAACCCTTGT	ACAAGTGGTTTCGCGTTGAGGTACC
121	AAGCGATGGCTACCCAAGAGCGAT	ATCGCTCTTGGGTAGCCATCGCTT
122	AGAGCTTATGCAGAACCAGGCGCC	GGCGCCTGTTCTGCATAAGCTCT
123	ATCGGTCTCACGAGGGTTGGATA	TATCCAACCCTGCGTGAGACCGAT
124	TAGGTTGCCCGCCAGAAGAAACAT	ATGTTTCTTCTGGCGGGCAACCTA
125	CGGTGCTGTTGCAAAAGCCTGTAG	CTACAGGCTTTTGCAACAGCACCG
126	TGATGAAAGTTTGCGGCAGGACAC	GTGTCCTGCCGCAAACCTTTCATCA
127	GTTGAGTGCAGGATGCAGCGATAG	CTATCGCTGCATCCTGCACTCAAC
128	AACATTGCGCGGTCCACCAGGGTT	AACCCTGGTGGACCGCGCAATGTT
129	GGGCAGTTAGAGAGGGCCAGAAGT	ACTTCTGGCCCTCTCTAACTGCCC
130	TCGAGCTGGTCCCCGTGAACGTGT	ACACGTTACGGGGACAGCTCGA
131	GTCTTGGGGGCGCTTAGTGAAAA	TTTTCATAAGCGGCCCCCAAGAC
132	ACTGTTGGCTTGCTCTCATGTCCA	TGGACATGAGAGCAAGCCAACAGT
133	AGGACCATTGGAAGGCGAAGATA	TATCTTCGCCTTCCGAATGGTCCT
134	CTTGGGAGGCATCCGCTATAAGGA	TCCTTATAGCGGATGCCTCCCAAG
135	AATAAACGGAACGCACCGCTACAG	CTGTAGCGGTGCGTTCCGTTTATT

136	TTGTACGTGCGGTCCCCATAAGCA	TGCTTATGGGGACCGCACGTACAA
137	CGCACCAAAGTCTGAGTTTCCAGAC	GTCTGGGAAAGTCTGAGTTTGGTGCG
138	ACCTGATCGTTCCCCTATTGGGAA	TTCCCAATAGGGGAACGATCAGGT
139	GGAACAGAGGCGAGGGGACTGAGC	GCTCAGTCCCCTCGCCTCTGTTCC
140	CCCTGCCTTGGCGTGTGCGCTTAT	ATAAGCCGACACGCCAAGGCAGGG
141	ACTCTGACACGCCAACTCCGGAAG	CTTCCGGAGTTGGCGTGTGAGAGT
142	CTGACGGTTTTTCATTGCGCGTGCC	GGCACGCCGAATGAAAACCGTCAG
143	TGCGGTGGTTCATTGGAGCTGGCC	GGCCAGCTCCAATGAACCACCGCA
144	GCATGGCCAACTAGTGACTCGCAA	TTGCGAGTCACTAGTTGGCCATGC
145	AGGCCGTAAAGCGAATCTCACCTG	CAGGTGAGATTGCGTTTACGGCCT
146	CGAATATTATGCCGAGAATCCGCG	CGCGGATTCTCGGCATAATATTCG
147	ACAGACGAGCTCCCAACCACATGA	TCATGTGGTTGGGAGCTCGTCTGT
148	GGACGGTTTGTGCTGGATTGTCTG	CAGACAATCCAGCACAAACCGTCC
149	AAAGGCTATTGAGTTGGTTGGGCG	CGCCCAACCAACTCAATAGCCTTT
150	GATGGCCTATTGCGAGATCGGGCC	GGCCCGATCTCCGAATAGGCCATC
151	GATCCAGTAGGCAGCTTCATCCCA	TGGGATGAAGCTGCCTACTGGATC
152	AATAACTCGCGCGGGTATGCTTCT	AGAAGCATACCCGCGCGAGTTATT
153	GGAGGAGGTTTGTCTCGGAAAGCA	TGCTTTCCGAGACAAACCTCCTCC
154	CTTTGGTATGGCACATGCTGCCCC	CGGGCAGCATGTGCCATACCAAAG
155	AGAAAGGCTCGAGCAACGGGAAGT	AGTTCCCGTTGCTCGAGCCTTTCT
156	AATCTACCGCACTGGTCCGCAAGT	ACTTGCGGACCAAGTGCAGTAGATT
157	CGTGGCGGCCACAGTTTTTGGAGG	CCTCCAAAAGTGTGGCCGCCACG
158	TTGCAGTTCAATCCATACGCACGT	ACGTGCGTATGGATTGAACTGCAA
159	GGCCCAAAGCCCCAGACCATTTTA	TAAAATGGTCTGGGGCTTTGGGCC
160	CGCCTGTCTTTGTCTCCGGACAAT	ATTGTCCGAGACAAAGACAGGCG
161	TGAGGCAACAGGGGCCAAAACTA	TAGTTTTTGGCCCCTGTTGCCTCA
162	AGCGGAAGTAGTCTCGGCTCGTC	GACGAGCCGAGGACTACTTCCGCT
163	GGCCCAAGGCTTAGAGATAGTGG	CCACTATCTCTAAGCCTTGGGGCC
164	GCACGTGAAGTTTAACCGCGATTG	GAATCGCGGTTAACTTCACGTGC
165	AGCGGCAGAAACGTTTCTTGACGG	CCGTCAAGGAACGTTTCTGCCGCT
166	TCGTGAGCAGACGAGATTGCACG	CGTGCAATCTCGTCTGCTCGACGA
167	TCTTTGCCGCGTAAGTACTGCTT	AAGCAGTCAGTTACGCGGCAAGA
168	TTTATGTGCCAAGGGGTTAACCGA	TCGGTTAACCCTTGGCACATAAA
169	TGTTACTGTGGTTCACGGCAGTCC	GGACTGCCGTGAACCACAGTAACA
170	CGCGCCTCGCTAGACCTTTTATTG	CAATAAAAGGTCTAGCGAGGCGCG
171	ACAAATGCGTGAGAGCTCCCAACT	AGTTGGGAGCTCTCACGCATTTGT
172	CGCGCAGATTATAGACCCGAATGT	ACATTCGGGTCTATAATCTGCGCG
173	CAAATAACGCCGCTGAATCGGCGT	ACGCCGATTACGCGGCGTTATTTG
174	CCTTCGTGCATCGGTGATGATGTT	AACATCATCACCGATGCACGAAGG
175	TGAACACGAGCAAACTCCAACGC	GCGTTGGAGTGTTGCTCGTGTTCA
176	CAGCAGATCCTTCGTAGCGGTCGT	ACGACCGCTACGAAGGATCTGCTG

177	GGAACCTGGTGAGTTGTGCCTCAT	ATGAGGCACAACCTACCAGGTTCC
178	TCATAAGCGACAATCGCGGGCTTA	TAAGCCCGCGATTGTGCTTATGA
179	CCCAACGTCACTGAAGCTCACAGT	ACTGTGAGCTTCAGTGACGTTGGG
180	TGTCAGAGCCCCGCGACTCAGACGG	CCGTCTGAGTCGCGGGCTCTGACA
181	TACACGAAGCCTCTCCGTGGTCCA	TGGACCACGGAGAGGCTTCGTGTA
182	CTCAGAAGTCCTCGGCGAACTGGG	CCCAGTTCGCCGAGGACTTCTGAG
183	ATCCTTTTATCTACTCCGCGGCGA	TCGCCGCGGAGTAGATAAAAAGGAT
184	AGGCGTGCAGCAACAGGATAAACC	GGTTTATCCTGTTGCTGCACGCCT
185	ACTCTCGAGGGAGTCTCTGGCACA	TGTGCCAGAGACTCCCTCGAGAGT
186	TTGCCAGGTCCATCGAGACCTGTT	AACAGGTCTCGATGGACCTGGCAA
187	TCCACTATAACTGCGGGTCCGTGT	ACACGGACCCGCGAGTTATAGTGGA
188	GCCCAGTCGGCTCTAACAAGTTCG	CGAACTTGTTAGAGCCGACTGGGC
189	CGGAACGGATAATCGGCGTCAGGT	ACCTGACGCCGATTATCCGTTCCG
190	TAAAATAAGCGCCTGGCGGGAGGA	TCCTCCCGCCAGGCGCTTATTTTA
191	GCGCACTCGTGAAACCTTTCTCGC	GCGAGAAAGGTTTCACGAGTGCGC
192	AGTTTGCCAGGTACTGGCAAGTGC	GCACTTGCCAGTACCTGGCAAACCT
193	ACAACGAGGGATGTCCAGCGGCAT	ATGCCGCTGGACATCCCTCGTTGT
194	TTGCGAGCACCCGCTAGGTACAGT	ACTGTACCTAGCGGGTGCTGCGAA
195	TAACCCGATTTTTGCGACTCTGCC	GGCAGAGTCGCAAAAATCGGGTTA
196	CGTCGCATTGCAAGCGTAGGCTTG	CAAGCCTACGCTTGCAATGCGACG
197	GAGCTGACGTCAACATCAGAGGAA	TTCCTCTGATGGTGACGTGAGCTC
198	GGAGGCTGGGGGTGCGCTTAAGT	ACTTAAGCGCGACCCCCAGCCTCC
199	TTGTGGGAACCGCACTAGCTGGCT	AGCCAGCTAGTGCGGTTCCCACAA
200	CCCTCGCACTGTGTTACCCCTCTT	AAGAGGGTGAACACAGTGCGAGGG
201	TCATTGACTCGAATCCGCACAACG	CGTTGTGCGGATTCGAGTCAATGA
202	ACAGGGGTTGGCCTTCGTACGTAC	GTACGTACGAAGGCCAACCCTGT
203	AGGCCGTGCAACATCACACAGGAT	ATCCTGTGTGATGTTGCACGGCCT
204	GGGCCGTGGTCACGTAATATTGGC	GCCAATATTACGTGACCACGGCCC
205	GCGCGGACATGAAACGACAAGGCC	GGCCTTGTCGTTTTATGTCCGCGC
206	CTTATTGGGTGCCGGTGTGCGATT	AATCCGACACCGGCACCCAATAAG
207	GGGGCGGTTACCAAAAAATCCGAT	ATCGGATTTTTTGGTAACCGCCCC
4	CCGTCGCATACCGGCTACGATCAA	TTGATCGTAGCCGGTATGCGACGG
5	ATGGCCGTGCTGGGGACAAGTCAA	TTGACTTGTCCCCAGCACGGCCAT
210	ACGAAAAAAGTGTGCGGATCCCCT	AGGGGATCCGCACACTTTTTTCGT
211	CCAAGTACACCGCACGCATGTTTA	TAAACATGCGTGCGGTGTACTTGG
212	ATCGTGCGTGGAGTGTGCGATCTA	TAGATGCGACACTCCACGCACGAT
213	TCCAGATACCGCCCCGAACCTTGA	TCAAAGTTCGGGGCGGTATCTGGA
214	TCTGCTGGCAGCACGTGAAGTGCC	GCCACTTCACGTGCTGCCAGCAGA
215	TTGAAATTGCTCTGCCGTCACTCA	TGACTGACGGCAGAGCAATTTCAA
216	AGTCAGGCGAGATGTTCAAGCAGC	GCTGCCTGAACATCTCGCCTGACT
217	ACAAGCCGACGTTAAGCCCGCCCA	TGGGCGGGCTTAACGTGCGCTTGT

5

10

15

20

25

30

35

40

218	CCCTAATGAGGCCAGTAACCTGCA	TGCAGGTTACTGGCCTCATTAGGG
219	GTGAGACACACATCCCCTCCAATG	CATTGGAGGGGATGTGTGTCTCAC
220	CGACGGATGCAGAGTTCAGTGGTC	GACCACTGAACTCTGCATCCGTCG
221	CCCGCATGCCTGGCGGTATTACAA	TTGTAATACCGCCAGGCATGCGGG
222	TTAGCAAAGCGGCGCCGTTAGCAA	TTGCTAACGGCGCCGCTTTGCTAA
223	CCCGACACGGGTCAGCGTAATAAT	ATTATTACGCTGACCCGTGTCGGG
224	GCGACGGCCCTGAGGTATGTCGTC	GACGACATACCTCAGGGCCGTCGC
225	CAAAAGTGTGTTCCCTTGCGCTTG	CAAGCGCAAGGGAACACACTTTTG
226	TCTCGAAGCACAGCCCGGTTATTG	CAATAACCGGGCTGTGCTTCGAGA
227	ATGCTAACCGTTGGCCATGGAAC	AGTTCCATGGCCAACGGTTAGCAT
228	CTTGCGGAGTGTTAGCCCAGCGGT	ACCGCTGGGCTAACACTCCGCAAG
229	TGCTCCCTAGGCGCTCGGAGGAGT	ACTCCTCCGAGCGCCTAGGGAGCA
230	CCAATGCCTTTGAGTAAGCGATGG	CCATCGCTTACTCAAAGGCATTGG
231	AGCAGATAACGTCCCAATGACGCC	GGCGTCATTGGGACGTTATCTGCT
232	TTGACCATTACGTGTTGCGCCCAT	ATGGGCGCAACACGTAATGGTCAA
233	TCGCGTATTTGCGGAATTCGTCTG	CAGACGAATTCCGCAAAACGCGA
234	CTGCGTGTCAACAATGTCCCGCAG	CTGCGGGACATTGTTGACACGCAG
235	TCTGGTGCCACGCAAGGTCCACAG	CTGTGGACCTTGCGTGGCACCAGA
236	CTCCGGGAGGTCACCTAATTGCGG	CCGCAATTAAGTGACCTCCCGGAG
237	TTTTCGTGATTGCCCGGAGGAGGC	GCCTCCTCCGGGCAATCACGAAAA
238	TCGGGATGTAGCTGGGGCTACCGG	CCGGTAGCCCCAGCTACATCCCGA
239	CGAGCCAACGCAAAACACGTCTTG	CAAGGACGTGTTTGCGTTGGCTCG
240	GCAAAGCCTTTGTGGGGCGGTAGT	ACTACCGCCCCACAAAGGCTTTGC
241	ATTCGACCGGAAATGAGGTCTTCG	CGAAGACCTCATTTCCGGTCAAT
242	TTGCTTGCTGAGTTGCTCTGTTT	GAACAGAGCAACTCAGCAAGCGAA
243	CGCGTGAAGACCCCATTCGAGT	ACTCGGGAATGGGGTCTTCACGCG
244	AACCGTATTCGCGGTCACCTGTGG	CCACAAGTGACCGCGAATACGGTT
245	GGGGCCAACCGTTTCGAGGCGTAT	ATACGCCTCGAAACGGTTGGCCCC
246	TTGCGCTGGCAGTCCAAACGGCTT	AAGCCGTTTGGAAGTCCAGCCGAA
247	GGGTGTGGTTAGAATGCACGGTTC	GAACCGTGCACTTAACCACACCC
248	GCGAGGACCGAACTAGACAAACGG	CCGTTTGTCTAGTTCGGTCTCGC
249	ACGCACGCGTGACCGAAGTTGCTG	CAGCAACTTCGGTCACGCGTGCGT
250	TAAAAGGTCGCTTTGAAAGGGGGA	TCCCCCTTTCAAAGCGACCTTTTA
251	TGCGATCGCTAACTGCTGGGACAA	TTGTCCCAGCAGTTAGCGATCGCA
252	GGAGGTATAAGCGGAGCGGCCTCA	TGAGGCCGCTCCGCTTATACCTCC
253	ATGCTGACATGTCGTGCACCTCGT	ACGAGGTGCACGACATGTCAGCAT
254	TGTGGTTAAAGCGTCCGTTCAACG	CGTTGAACGGACGCTTTAACCACA
255	CGTTCACACCGGCGTAAGCTGCGT	ACGCAGCTTACGCCGGTGTGAACG
256	CCTATCCCGGCGAGAACTTCTGTG	CACAGAAGTTCTCGCCGGGATAGG
257	GTCTGCACTCACGCAGCGGAGGGA	TCCCTCCGCTGCGTGAGTGCAGAC
258	GCACGAGTTGGTGCTCGGCAGATT	AATCTGCCGAGCACCAACTCGTGC

259	AACGTCGCACGACACACGTTTCGTC	GACGAACGTGTGTCGTGCGACGTT
260	ATGCGCGCTTATCCTAGCATGGTC	GACCATGCTAGGATAAGCGCGCAT
261	TCACGTTTTCTGCTCTCGACATGAGG	CCTCATGTGCGAGACGAAAACGTGA
262	TGTGCCTCATCCTTAGGATACGGC	GCCGTATCCTAAGGATGAGGCACA
263	AGGTGGTGTGGGTCAACCGCTTTA	TAAAGCGGTTGACCCACACCACCT
264	CTGGATCGAAGGGACTGCAAGCTC	GAGCTTGCAGTCCCTTCGATCCAG
265	TAGATCAACTCGCGTACGCATGGA	TCCATGCGTACGCGAGTTGATCTA
266	GATCCTGCGGAGAAGAGAGTGACAG	CTGCACTCTCTTCTCCGCAGGATC
267	TACGTGTGGAGATGCCCCGAACCG	CGGTTCCGGGCATCTCCACACGTA
268	GCGCTATGTCAATCGTGGGCGTAG	CTACGCCCACGATTGACATAGCGC
269	AGCGAGGTTTCTAGCGTCGACACC	GGTGTGACGCTAGAAACCTCGCT
270	ACCCAGGTTTTGCCGTTGTGGAAT	ATTCCACAACGGCAAACCTGGGT
271	CCCTGTTAACGGCTGCGTAGTCTC	GAGACTACGCAGCCGTTAACAGGG
272	AGGCCGATTTCAACCGCCAATTGC	GCAATTGGCGGGTGAAATCGGCCT
273	GAGCCCTCACTCCTTGCCCTTTGA	TCAAAGGGCAAGGAGTGAGGGCTC
274	GGGTGGACATCCGCTCGCAGTCA	TGACTGCGAGGCGGATGTCCACCC
275	GATGGCTGAGAACCGTGCTACGAT	ATCGTAGCACGGTTCTCAGCCATC
276	TCGACGTTAGGAGTGCTGCCAGAA	TTCTGGCAGCACTCCTAACGTCGA
277	CGAATGGGTCTGGACCTTGATAG	CTATGCAAGGTCCAGACCCATTGCG
278	GTGCACCAGACATTCGAACTCGGA	TCCGAGTTCGAATGTCTGGTGCAC
279	AGAGGCCCGTATATCCCATCCAT	ATGGATGGGATATACGGGGCCTCT
280	AACGCCTGTTCAAGAGCATCAGCGG	CCGCTGATGCTCTGAACAGGCGTT
281	AAGGCTCAACACGCCTATGTGCGC	GCGCACATAGGCGTGTTGAGCCTT
282	AGTCCGTGTTGCCAGATTGGCTCG	CGAGCCAATCTGGCAACACGGACT
283	ATGTCCCATGTAAAGACGCGTGTG	CACACGCGTCTTTACATGGGACAT
284	ATGGAGTCTGCTCACGCCCAAAGG	CCTTTGGGCGTGAGCAGACTCCAT
285	CGGCCTCCAACAAGGAGCACTAAC	GTTAGTGCTCCTTGTTGGAGGCCG
286	CAGAGCCGTGGCAACATTGCGAGC	GCTCGCAATGTTGCCACGGCTCTG
287	TCATTTGAATGAGGTGCGCACCGG	CCGGTGCGCACCTCATTCAAATGA
288	GACGTACCGGAAGCGCCGTATAAA	TTTATACGGCGCTTCCGGTACGTC
289	ATGCGAGCAATGGGATCCGGATTTC	GAATCCGGATCCCATTGCTCGCAT
290	AGAGTGAGGCCTCCCTGACCAGTG	CACTGGTCAGGGAGGCCTCACTCT
291	CGCACCGTAAGTAGATTTGCCCGC	GCGGGCAAATCTACTTACGGTGCG
292	TGAACCTTTGAGCACGTGCTGCGC	GCGCACGACGTGCTCAAAGGTTCA
293	TCCGCCTTTTTGGTTACCTCGAAG	CTTCGAGGTAACCAAAAAGGCGGA
294	GAACGCCAACGGCACTAACACATC	GATGTGTTAGTGCCGTTGGCGTTC
295	CCGACAGCAGCCAAGACGTCCAG	CTGGGACGTCTTGCTGCTGTCGG
296	CATAAAAAACCTGGGGCTCTGCG	CGCAGAGCCCCAGGTTTTTTTATG
297	TGCCAACTGTGCAGACCGGACTTA	TAAGTCCGGTCTGCACAGTTGGCA
298	GGCGAAAGAGCGAAACCGGCTCGT	ACGAGCCGGTTTCGCTCTTTCGCC
299	GGGATGCGTATTTTAGCGAACACG	CGTGTTGCTAAAATACGCATCCC

300	TGGGATTCAGCGACCAGTACGCGA	TCGCGTACTGGTCGCTGAATCCCA
301	CCCGATATTCGCCCCGGCCTATTCG	CGAATAGGCCGGGCGAATATCGGG
302	CGAGAAGATGCCTCACGCAACCAA	TTGGTTGCGTGAGGCATCTTCTCG
303	AACCTTGACCCGTGGATGACGCTA	TAGCGTCATCCACGGGTCAAGGTT
6	TTGCAACGGGCTGGTCAACGTCAA	TTGACGTTGACCAGCCCCTTGCAA
7	CGCATAGGTTGCCGATTTTCGTCAA	TTGACGAAATCGGCAACCTATGCG
306	GCTTCCGGATGAACGGGATGGTTG	CAACCATCCCGTTTCATCCGGAAGC
307	CCCTCCATGTTCTTCGAACGGTTT	AAACCGTTTCGAAGAACATGGAGGG
308	TTGATGGGCGGCAATGCTCTTGCT	AGCAAGAGCATTGCCGCCCATCAA
309	ATTGTGAGATGCGCCAAATTCGCC	GGGGAATTTGGCGCATCTCACAAT
310	TCAGCACAGCCAGACGGTCAACTT	AAGTTGACCGTCTGGCTGTGCTGA
311	ACTCCACTCCTCGGTGGCAAATA	TAGTTTGCCACCGAGGAGTGGAGT
312	TCTGGGCATGCCTGGACGGAGACG	CGTCTCCGTCCAGGCATGCCCAGA
313	TCTCAACTCCGGTACGACGAAACA	TGTTTCGTCTGTACCGGAGTTGAGA
314	TTGCGTGGTCAAAGGCGCAACGTG	CACGTTGCGCCTTTGACCACGCAA
315	AGACAGCGATCCGCGGCTCATGAT	ATCATGAGCCGCGGATCGCTGTCT
316	CGCGTCTCTAACTGAGAGCAGCCA	TGGCTGCTCTCAGTTAGAGACGCG
317	AGGCGCACATGTACGGACATTCAG	CTGAATGTCCGTACATGTGCGCCT
318	GATGAGTGGCACGTCCGGTGTGTAA	TTACACACCGACGTGCCACTCATC
319	TGATCCATATTGTCGGACGTTGCG	CGCAACGTCCGACAATATGGATCA
320	ACCTGCCGGGAGTTCATAGGCTAG	CTAGCCTATGAACTCCCGGCAGGT
321	AGCATTGGCGTTTTTCCGCAACGA	TCGTTGCGGAAAAACGCCAATGCT
322	GGTAATATTCAGCGCGACCGCTCA	TGAGCGGTGCGGCTGAATATTACC
323	ATAGCGTACGACGAGGTGACGCGC	GCGCGTCACCTCGTCTGACGCTAT
324	TAGGTCACGATGCGTTTGACGCTA	TAGCGTCAAACGCATCGTGACCTA
325	ACTGCCCCGTACCTCTGGTTCTGGC	GCCAGAACCAGAGGTACGGGCAGT
326	CCTTTGGCCTGAAGTTGTCGTAGC	GCTACGACAACCTTCAGGCCAAAGG
327	GTGCCCCACGAGCGTATCGTTGTA	TACAACGATACGCTCGTGGGGCAC
328	AGGCGCTACGTGGGCCTGGAGCAA	TTGCTCCAGGCCACGTAGCGCCT
329	GGGTGCTACCATTCGATTAGTCCG	CGGACTAATGCAATGGTAGCACCC
330	ACCACGCGCGTACGTGTAACCGAG	CTCGGTTACACGTACGCGCGTGGT
331	CCATGATGCATTGGGTGCATTTAG	CTAAATGCACCCAATGCATCATGG
332	GGTCCGGCCCTACGAAACGTTCTGA	TCGAACGTTTCGTAGGGCCGGACC
333	CCGTGTGGCTGGAGATTCGTGTGA	TCACACGAATCTCCAGCCACACGG
334	GTTAGGGCGACGCATATTGGCACA	TGTGCCAATATGCGTCGCCCTAAC
335	GGGTGAGTCAGGTGCGTTAGGATC	GATCCTAACGCACCTGACTGACCC
336	GCCGTGAAGTCGAATGCAGATCGA	TCGATCTGCATTCGACTTCACGGC
337	GCCACCACCCAGTGCATTCAGGTA	TACCTGAATGCACTGGGTGGTGGC
338	GAGCTTAGTTTGCGGTCATCGGGC	GCCCCGATGACCGCAAATAAGCTC
339	TGTTTGCCGCCATTAGGGAGTAAC	GTTACTCCCTAATGGCGGCAAACA
340	GCTCCGCTGGATGTGCCGTTTAG	CTAAACCGGCACATCCAGCGGAGC

341	CGGTAGCATGCGAGATCCCTGTTA	TAACAGGGATCTCGCATGCTACCG
342	CTACGCTCTACCAGTTGCCTGCGA	TCGCAGGCAACTGGTAGAGCGTAG
343	GTGCCTCCTGCTGTATTTGCCAAG	CTTGGCAAATACAGCAGGAGGCAC
344	TTGCGACTCGACTTGGACGAGTAG	CTACTCGTCCAAGTCGAGTCGCAA
345	TCTGGGAGCTGTTTACTCCAGCCA	TGGCTGGAGTAAACAGCTCCCAGA
346	TGCACGCGGAACTCCCTTTACCAT	ATGGTAAAGGGAGTTCCGCGTGCA
347	TGGCAGCAAATGAATCGAAAGCAC	GTGCTTTTCGATTCATTTGCTGCCA
348	AACTGGTGACGCGGTACAGCGAAG	CTTCGCTGTACCGCGTCACCAGTT
349	AGACGATTACGCTGGACGCCGTCG	CGACGGCGTCCAGCGTAATCGTCT
350	ATGCCCTCCTTCATGGAAAGGGTT	AACCCTTTCCATGAAGGAGGGCAT
351	ATTCTCGGAGCGTATGCGCCAGAA	TTCTGGCGCATACGCTCCGAGAAT
352	ATAGCGGAGTTTGGGTACGCGAAC	GTTTCGCTACCCAACTCCGCTAT
353	ACCTACGCATACCGCTTGCGGAGG	CCTCGCCAAGCGGTATGCGTAGGT
354	GATTACCTGAATGGCCAAGCGAGC	GCTCGCTTGGCCATTCAGGTAATC
355	CCTGTTAGCATCACGGCGCTTAGG	CCTAAGCGCCGTGATGCTAACAGG
356	CGGAATGATGCGCTCGACAACGCT	AGCGTTGTGAGCGCATCATTCCG
357	TGAGAGAGGCGTTGGTTAAGGCAA	TTGCCTTAACCAACGCCTCTCTCA
358	AAGCAGGCGAAGGGATACTCCTCG	CGAGGAGTATCCCTTCGCCTGCTT
359	TCACGACAGACGGGCGGAGATTAC	GTAATCTCGGCCCCTGTGTCGTGA
360	AAGCAATTTGGCCTCGTTTTGTGA	TCACAAAACGAGGGCCAAATTGCTT
361	GCTGGTTGCGGTAGGATCGCATAT	ATATGCGATCCTACCGCAACCAGC
362	TTGTGAATCCGTTCTGTCCCCGAC	GTCGGGGACAGAACGGATTACAA
363	TGGGCTCCTCTGAGGCGAGATGGC	GCCATCTCGCCTCAGAGGAGCCCA
364	GGATAGAGTGAATCGACCGGCAAC	GTTGCCGGTCGATTCACTCTATCC
365	TGCACCGAACGTGCACGAGTAATT	AATTACTCGTGACGTTCCGGTGCA
366	GCCAGTATTCTCGGGTGTTGGACG	CGTCCAACACCCGAGAATACTGGC
367	TCGCTACCTAAGACCGGGCCATAC	GTATGGCCCCGGTCTTAGGTAGCGA
368	TGGCATTGACGAGCAGCAGTCAGT	ACTGACTGCTGCTCGTCAATGCCA
369	CGCGTCCCAGCGCCCTTGAGTAT	ATACTCCAAGGGCGCTGGGACGCG
370	ATGAAGCCTACCGGGCGACTTCGT	ACGAAGTCGCCCAGGTAGGCTTCAT
371	CCAGACAGATGGCCTGGAACCATG	CATGGTTCCAGGCCATCTGTCTGG
372	TGGCGTGGGACCATCTCAAAGCTA	TAGCTTTGAGATGGTCCCACGCCA
373	CCGCATGGGAACACGTGTCAAGGT	ACCTTGACACGTGTTCCCATGCGG
374	GCCCACTCGTCAGCTGGACGTAAT	ATTACGTCCAGCTGACGAGTGGGC
375	ATTACGGTCGTGATCCAGAAAGCG	CGCTTTCTGGATCACGACCGTAAT
376	TGCGAGGTGAGCACCTACGAGAGA	TCTCTCGTAGGTGCTCACCTCGCA
377	GGGCCGCATTCTTGATGTCCATTC	GAATGGACATCAAGAATGCGGCCC
378	CCTCGGATGTGGGCTCTCGCCTAG	CTAGGCGAGAGCCCACATCCGAGG
379	TAGGCATGTTGGCGTGAGCGCTAT	ATAGCGCTCACGCCAACATGCCTA
380	CGATACGAACGAGGATGTCCGCCT	AGGCGGACATCCTCGTTCGTATCG
381	TACGCCGGTTAGCACGGTGCGCTA	TAGCGCACCGTGCTAACCGGCGTA

382	CATACGATGTCCGGGCCGTGTGCG	GCGACACGGCCCCGGACATCGTATG
383	ATCCGCAGTTGTATGGCGCGTTAT	ATAACGCGCCATACAACCTGCGGAT
384	GGGTAAGGGACAAAGATGGGATGG	CCATCCCATCTTTGTCCCTTACCC
385	ATTGGAGTGTGTTTGGTGAATCCGC	GCGGATTCACCAAAACACTCCAAT
386	GAACCGAGCCAACGTATGGACACG	CGTGTCCATACGTTGGCTCGGTTT
387	GCCGTCAAGCTTAAGGTTTTGGGC	GCCCAAACCTTAAGCTTGACGGC
388	ACCTGCTTTTGGGTGGGTGATATG	CATATCACCCACCCAAAAGCAGGT
389	AATCGTGGGCGCAGCAAACGTATA	TATACGTTTGCTGCGCCACGATT
390	GTCGCCGGATTGCTCAGTATAAGC	GCTTATACTGAGCAATCCGGCGAC
391	ACCCGTCGATGCTTCCTCCTCAGA	TCTGAGGAGGAAGCATCGACGGGT
392	ATCCGGGTGGGCGATACAAGAGAT	ATCTCTTGTATCGCCCACCCGGAT
393	TTCCGCATGAGTCAGCTTTGAAAA	TTTTCAAAGCTGACTCATGCGGAA
394	GCAAAGTCCCCTGGAAGCCGAT	ATCGGCTTGCCAGTGGGACTTTGC
395	CGACCTCGGCTTCATCGTACACAT	ATGTGTACGATGAAGCCGAGGTCTG
396	CTCATGAGCGCAGTTGTGCGTGAG	CTCACGCACAACTGCGCTCATGAG
397	CAGATGAAGGATCCACGGCCGGAG	CTCCGGCCGTGGATCCTTCATCTG
398	TCAAAGGCTCTTGATACAGCCGT	ACGGCTGTATCCAAGAGCCTTTGA
399	TCCGCTAATTTCCAATCAGGGCTC	GAGCCCTGATTGGAAATTAGCGGA
8	CCGTTTGCGGTGCTCCTTGCTCAA	TTGAGCAAGGACGACCGCAAACGG
9	TTGCTTTTCGTGGCTGCACTTCAA	TTGAAGTGCAGCCACGAAAGCGAA
402	CTTAGTTGGGGCGCGGTATCCAGA	TCTGGATACCGCGCCCCAACTAAG
403	GCTCTAATGCCGTGGAGTCGGAAC	GTTCCGACTCCACGGCATTAGAGC
404	CCGATTACAAATTGACTGACCGCA	TGCGGTCAGTCAATTTGTAATCGG
405	AGACGTACGTGAGCCTCCCGTGTC	GACACGGGAGGCTCACGTACGTCT
406	AATGGAGCGATACGATCCAACGCA	TGCGTTGGATCGTATCGCTCCATT
407	GGAGGCGCTGTACTGATAGGCGTA	TACGCCTATCAGTACAGCGCCTCC
408	TGTTTTTGAATTGACCACACGGGA	TCCCGTGTGGTCAATTCAAAAACA
409	CATGTCTGGATGCGCTCAATGAAG	CTTCATTGAGCGCATCCAGACATG
410	GCCCGCTAATCCGACACCCAGTTT	AAACTGGGTGTCTGGATTAGCGGGC
411	CCATTGACAGGAGAGCCATGAGCC	GGCTCATGGCTCTCCTGTCAATGG
412	GAATCACCGAATCACCGACTCGTT	AACGAGTCGGTGATTCCGTGATTCT
413	AACCAGCCGCAGTAGCTTACGTCTG	CGACGTAAGCTACTGCGGCTGGTT
414	TTTTCTGAGGGACACGCGGGCGTT	AACGCCC GCGTGTCCCTCAGAAAA
415	GGTGCTCCGTTTGATCGATCCTCC	GGAGGATCGATCAAACGGAGCACC
416	CCGCTTAGGCCATACTCTGAGCCA	TGGCTCAGAGTATGGCCTAAGCGG
417	TAAGACATACCGACGCCCTTGCTT	AGGCAAGGGCGTCGGTATGTCTTA
418	GTTCCCGACGCCAGTCATTGAGAC	GTCTCAATGACTGGCGTCGGGAAC
419	TAAAAGTTTCGCGGAGGTCGGGCT	AGCCCGACCTCCGCGAAACTTTTA
420	CGGTCCAGACGAGCTGAGTTCGGC	GCCGAACTCAGCTCGTCTGGACCG
421	CGGCGTAGCGGCTACGGACTTAAA	TTTAAGTCCGTAGCCGCTACGCCG
422	GCTTGGATGCCCATGCGGCAAGGT	ACCTTGCCGCATGGGCATCCAAGC

423	AGCGGGATCCCAGAGTTTCGAAAA	TTTTCGAAACTCTGGGATCCCGCT
424	GAGCTTGAGAGCGAGGTCATCCTC	GAGGATGACCTCGCTCTCAAGCTC
425	GCATCGGCCGTTTTGACCATATTC	GAATATGGTCAAAACGGCCGATGC
426	CATAGCGCTGCACGTTTCGACCGC	GCGGTCGAAACGTGCAGCGCTATG
427	ACCCGACAACCACCAATTCAAAAA	TTTTTGAATTGGTGGTTGTCGGGT
428	GCGAACACTCATAAGAGCGCCCTG	CAGGGCGCTCTTATGAGTGTTCCG
429	CCGCCGAGTG TAGAGAGACTCCGA	TCGGAGTCTCTCTACACTCGGCGG
430	GACATCGGGAGCCGGAACATGAG	CTCATGTTTCCGGCTCCCGATGTC
431	TCGTGTAGACTCGGCGACAGGCGT	ACGCCTGTGCGCGAGTCTACACGA
432	ATGCGCATATACTGACTGCGCAGG	CCTGCGCAGTCAGTATATGCGCAT
433	ACAAGCGAACCCGAGTTTTGATGA	TCATCAAAACTCGGGTTCGCTTGT
434	GCATGAGACTCCGCGAAGACATGT	ACATGTCTTCGCGGAGTCTCATGC
435	TCCTACATGTCGCGTCACGATCAC	GTGATCGTGACGCGACATGTAGGA
436	GACCGATCGCGAAGTCGTACACAT	ATGTGTACGACTTCGCGATCGGTC
437	GTCGCCAGGACTGGGCCGATGTGA	TCACATCGGCCAGTCCTGGCGAC
438	ACCGATAAGACTTGCATCCGAACG	CGTTCGGATGCAAGTCTTATCGGT
439	TCCATAACCAGTCCGAAGTGCCGG	CCGGCACTTCGGACTGGTTATGGA
440	ACGCGCCCTGCATCTCGTATTTAA	TTAAATACGAGATGCAGGGCGCGT
441	AGACCGCATCAATTGGCGCGTACC	GGTACGCGCCAATTGATGCGGTCT
442	AGAGGCTTGGCAAGTAGGGACCCT	AGGGTCCCTACTTGCCAAGCCTCT
443	GCAATGGACGCCAGACGATACCGG	CCGGTATCGTCTGGCGTCCATTGC
444	GCTGGACTTAGTCGTGTTCCGGCGG	CCGCCGAACACGACTAAGTCCAGC
445	AGGCATCGTGCCGATTGCTCCCT	AGGGAGCAATCCGGCACGATGCCT
446	TGCGCATGTCGACGTTGAACAAAG	CTTTGTTCAACGTCGACATGCGCA
447	TTCGGGTCACATCCGATGCCATAC	GTATGGCATCGGATGTGACCCGAA
448	ACCCATCGCCGGAAGCGATGTTG	CAACATCGCTTCCGGCGATGGGT
449	AAGCGCTGACTCGGCTAAGAATCA	TGATTCTTAGCCGAGTCAGCGCTT
450	ACTTCCAAGTCCTTGACCGTCCGA	TCGGACGGTCAAGGACTTGGAAGT
451	TCTCAATATTCCCGTAGTCGCCCA	TGGGCGACTACGGGAATATTGAGA
452	AACAGTTCCTCTTTTTCTGGCGC	GCGCCAGGAAAAAGAGGAAGTGT
453	CGTCCTCCATGTTGTCACGAACAG	CTGTTCTGTGACAACATGGAGGACG
454	TGCGCAGACCTACCTGTCTTTGCT	AGCAAAGACAGGTAGGTCTGCGCA
455	ATGGACGGCTTCGCAGTCCTCCTT	AAGGAGGACTGCGAAGCCGTCCAT
456	TGAACGCTTTCTATGGGCCACGTA	TACGTGGCCCATAGAAAGCGTTCA
457	TGAACCCTGCCGCGAGCGATAACC	GGTTATCGCTCGCGGCAGGGTTCA
458	GTTCTTGCGCGATGAATCAGGACC	GGTCCTGATTCATCGCGCAAGAAC
459	AGGGTACGTGTCGCAGCTTCGCGT	ACGCGAAGCTGCGACACGTACCCT
460	ACCCTTGCTCCGCCATGTCTCTCA	TGAGAGACATGGCGGAGCAAGGGT
461	GGGACAAGGATTGAAGCTGGCGTC	GACGCCAGCTTCAATCCTTGTCCT
462	TGTCGTTGCTCCCGAGTACCATTG	CAATGGTACTCGGGAGCAACGACA
463	GTTGTCCGAGACGTTTGTGTCAGC	GCTGACACAAACGTCTCGGACAAC

464	GCTGGTGAACACTCACGAACCGCT	AGCGGTTCGTGAGTGTTACCAGC
465	GCAGACAGGGCAAATCGGTGCAAA	TTTGCACCGATTTGCCCTGTCTGC
466	CCCATCACAACGAGTGGCGACTTT	AAAGTCGCCACTCGTTGTGATGGG
467	GCTTCTACAGCTGGCGTGCTAGCG	CGCTAGCACGCCAGCTGTAGAAGC
468	GAATGTGTGCCGACCATTCTAGCC	GGCTAGAATGGTCGGCACACATTC
469	CCAGCGGAAGTTAGAGCTCTGTGG	CCACAGAGCTCTAACTTCCGCTGG
470	TTTTTACCGACCACTCCATGTCCG	CCGACATGGAGTGGTCGGTAAAAA
471	GCGGCTATGTGATGACGGCCTAGC	GCTAGGCCGTCTATCACATAGCCGC
472	AGTACACGGGCGTGTTAGCGCTCC	GGAGCGCTAACACGCCCGTGTACT
473	TCCTGTGTGGTGGCGCACTCCCAC	GTGGGAGTGCGCCACCACACAGGA
474	CCAACTAACCAATCGCGCGGATGA	TCATCCGCGCGATTGGTTAGTTGG
475	AGTGAGTGACCAAGGCAGGAGCAA	TTGCTCCTGCCTTGGTCACTCACT
476	CATCTTTCGCGGAGTTTATTGCGG	CCGCAATAAACTCCGCGAAAGATG
477	CTTCGTCCGGTTAGTGCGACAGCA	TGCTGTGCGACTAACCGGACGAAG
478	CTCACGAAAACGTGGGCCCCGAAAT	ATTTGCGGGCCCACGTTTTCTGTGAG
479	CGCAGCAGCTGAACTCTAGCATTG	CAATGCTAGAGTTCAGCTGCTGCG
480	AGGAGACATACGCCCAAATGGTGC	GCACCATTGGGCGTATGTCTCCT
481	ATTGAGAACTCGTGCGGGAGTTTG	CAAACCTCCCGCACGAGTTCTCAAT
482	CTCTTTGTAGGCCCAGGAGGAGCA	TGCTCCTCCTGGGCCTACAAAGAG
483	GCCGCAGGGTCGATAATTGGTCTA	TAGACCAATTATCGACCCTGCGGC
484	AAACGCCGCCCTGAGACTATTGGG	CCCAATAGTCTCAGGGCGGCGTTT
485	CTGAGTTGCCTGGAACGTTGGACT	AGTCCAACGTTCCAGGCAACTCAG
486	CGGATGGGTTGCAGAGTATGGGAT	ATCCCATACTCTGCAACCCATCCG
487	CTGACCTTTGGGGGTTAGTGCGGT	ACCGCACTAACCCCCAAAGGTCAG
488	GGAAATGAGAACCTTACCCAGCG	CGCTGGGGTAAGGTTCTCATTTCC
489	AACGCATCGTCCGTCAACTCATCA	TGATGAGTTGACGGACGATGCGTT
490	TGGAGAGAGACTTCGGCCATTGTT	AACAATGGCCGAAGTCTCTCTCCA
491	TTGCGCTCATTGGATCTTGTCAGG	CCTGACAAGATCCAATGAGCGCAA
492	AGCGCGTTAAAGCACGGCAACATT	AATGTTGCCGTGCTTTAACGCGCT
493	AGCCAGTAACTGTGGGCGGCTGT	ACAGCCGCCACAGTTTACTGGCT
494	CGACTGATGTGCAACCAGCAGCTG	CAGCTGCTGGTTGCACATCAGTCG
495	GGTTGCTCATACGACGAGCGAGTG	CACTCGCTCGTCGTATGAGCAACC
10	GTCCAACGCGCAACTCCGATTCAA	TTGAATCGGAGTTGCGCGTTGGAC
11	TTGCCGCACCGTCCGTCATCTCAA	TTGAGATGACGGACGGTGCGGCAA
498	AGAACCTCCGCGCCTCCGTAGTAG	CTACTACGGAGGCGCGGAGGTTCT
499	AAAGGAGCTTTCGCCCAACGTACC	GGTACGTTGGGCGAAAGCTCCTTT
500	AGTGATTGTGCCACTCCACAGCTC	GAGCTGTGGAGTGGCACAATCACT
501	GCGATCGTCGAGGGTTGAGCTGAA	TTCAGCTCAACCCTCGACGATCGC
502	GGGAGACAGCCATTATGGTCCTCG	CGAGGACCATAATGGCTGTCTCCC
503	GAGACGCTGTCACTCCGGCAGAAC	GTTCTGCCGGAGTGACAGCGTCTC
504	CCACCGGTCGCTTAAGATGCACTT	AAGTGATCTTAAGCGACCGGTGG

505	CGGCATAACGTCCAGTCCTGGGAC	GTCCCAGGACTGGACGTTATGCCG
506	AAGCGGAACGGGTTATACCGAGGT	ACCTCGGTATAACCCGTTCCGCTT
507	TGCACACTAGGTCCGTCGCTTGAT	ATCAAGCGACGGACCTAGTGTGCA
508	AGGGAACCGCGTTCAAACCTCAGTT	AACTGAGTTTGAACGCGGTTCCCT
509	GAATTACAACCACCCGCTCGTGTT	AACACGAGCGGGTGGTTGTAATTC
510	TTCAGTGCTCACGAAGCATGGATT	AATCCATGCTTCGTGAGCACTGAA
511	TTAGTTTGGCGTTGGGACTTCACC	GGTGAAGTCCCAACGCCAACTAA
512	AATGCGACCTCGACGAGCCTCATA	TATGAGGCTCGTCGAGGTCGCATT
513	CCGAAACCGTTAACGTGGCGCACA	TGTGCGCCACGTTAACGGTTTCGG
514	TAAAGTAACAAGGCGACCTCCCGC	GCGGGAGGTCGCCTTGTTACTTTA
515	TAATGATTTTAGTCGCGGGGTGGG	CCCACCCCGCGACTAAAATCATT
516	GGCTACTCTAAGTGCCCGCTCAGG	CCTGAGCGGGCACTTAGAGTAGCC
517	TGGCGGACGACTCAATATCTCACG	CGTGAGATATTGAGTCGTCCGCCA
518	GGGCGTTAGGCGTAATAGACCGTC	GACGGTCTATTACGCCTAACGCCC
519	GCCACCTTTAGACGGCGGCTCTAG	CTAGAGCCGCGCTCTAAAGGTGGC
520	GAGATGTGTAAACGTGCAGGCACC	GGTGCCTGCACGTTTACACATCTC
521	TAGCTCGTGGCCCTCCAAGCGTGT	ACACGCTTGGAGGGCCACGAGCTA
522	GTGTGCGCGCTATTTGGCCTTACC	GGTAAGGCCAAATAGCGCCGACAC
523	CCAGGGAAGCAACTGGTTGCCATT	AATGGCAACCAGTTGCTTCCCTGG
524	TTCCGAAACTAAGCCAGAACCGCT	AGCGGTTCTGGCTTAGTTTCGGAA
525	GCAAACCCGGTAACCCGAGAGTTC	GAAGTCTCGGGTTACCGGGTTTGC
526	GCAAATGGCGTCATGCACGAACGT	ACGTTTCGTGCATGACGCCATTTGC
527	AGTACTTTCGCGCCAGTTTAGGG	CCCTAAACTGGGCGCGAAAGTACT
528	AAGATCTGCGAGGCATCCCGGCTT	AAGCCGGGATGCCTCGCAGATCTT
529	GCAAGTGTATCGCACAGTGCGATT	AATCGCACTGTGCGATACACTTGC
530	CCGACAAGGCCTCAATTCATTCTG	CAGAAATGAATTGAGGCCTTGTCGG
531	GTCTCGTCTCAACTTTAAGGCGCG	CGCGCCTTAAAGTTGAGACGAGAC
532	ATCCAGAGATCCGTTTTGCAGCGT	ACGCTGCAAAACGGATCTCTGGAT
533	GTCACCAGGAGGGAAGTTTCACCC	GGGTGAAACTTCCCTCCTGGTGAC
534	TTCCGTCAGGCGGATCAACGGAAT	ATTCCGTTGATCCGCCTGACGGAA
535	ATGCCGGACACGCATTACACAGGC	GCCTGTGTAATGCGTGTCCGGCAT
536	TGGGCCGCTTGGCGCTTTCATAGA	TCTATGAAAGCGCCAAGCGGCCCA
537	CCTAGCGCGAGCTTTACTGACCAG	CTGGTCAGTAAAGCTCGCGCTAGG
538	TTGGCCAGGAATATGGTCTCGAGA	TCTCGAGACCATATTCCTGGCCAA
539	GTCTGCGGCCGACTTGCTATGCAT	ATGCATAGCAAGTCGGCCGCAGAC
540	AACTTGCTCATTCTCAAGCCGACG	CGTCGGCTTGAGAATGAGCAAGTT
541	ACGTCAGCGATTGTGGCGAAATAT	ATATTTGCCACAATCGCTGACGT
542	ACGGCCTGCGTCAGCACATGCATC	GATGCATGTGCTGACGCAGGCCGT
543	ATACCTCCGCGAGAACCATTCCGTT	AACGGAATGGTTCTGCGGAGGTAT
544	AGTTCGCGGTCCCACGATTCATT	AAGTGAATCGTGGGACCGCGAACT
545	TGCTCAATTTGTGCAGAAAACGCC	GGCGTTTTCTGCACAAATTGAGCA

546	TTATCGCGAGAGACGACCGTGTCC	GGACACGGTCGTCTCTCGCGATAA
547	GACGCGACGTGAGTAGTGGAAGCG	CGCTTCCACTACTCACGTCGCGTC
548	ATGGTAGGGGCATTGGGCTTTCCT	AGGAAAGCCCAATGCCCTACCAT
549	CCAAATATAGCCGCGCGGAGACAT	ATGTCTCCGCGCGGCTATATTTGG
550	GCAAACCCTGATTGAATCGTGCCC	GGGCACGATTCAATCAGGGTTTGC
551	TAGCGTCTTGCGTGAAACCATGGG	CCCATGGTTTCACGCAAGACGCTA
552	CCACCCCGACAGCGCTGGACTCTT	AAGAGTCCAGCGCTGTCGGGGTGG
553	ACGAGCACTGAAGGCTGCTTTACG	CGTAAAGCAGCCTTCAGTGCTCGT
554	CATATCAGCGTCGTCTAGCTCGCG	CGCGAGCTAGACGACGCTGATATG
555	TGATCCCGGACCGGCTAGACTAAT	ATTAGTCTAGCCGGTCCGGGATCA
556	GGCCCCGACACTACAGGGTAATCA	TGATTACCCTGTAGTGTGCGGGCC
557	GGCTCCAGGGCGAGATTATGAATG	CATTCATAATCTCGCCCTGGAGCC
558	CAAAATCCGATGGGCGGAAATTA	TAATTTTCCGCCCATCGGATTTTG
559	CACAGGCGCATAGGGAGCAAGCTA	TAGCTTGCTCCCTATGCGCCTGTG
560	TAGCTATTGCCCGATGGGCTACT	AGTAGCCCATCGGGGCAATAGCTA
561	TGGTACGCGGTCCATAGCAAGTCG	CGACTTGCTATGGACCGCGTACCA
562	GACGCTGTGGCTCGGAAACTGTTT	GAACAGTTTCCGAGCCACAGCGTC
563	CCTGGGTTTCGCGCGTGGAAGT	CAGTTACCACGCGGCGAACCCAGG
564	TTCCCGCGTAGCCCAACAGCTATA	TATAGCTGTTGGGCTACGCGGGAA
565	TTCGCGGATTGCTGCCGCATAACA	TGTTATGCGGCAGCAATCCGCGAA
566	AAAAATGGCACCGAAGTTGAGGCA	TGCCCTCAACTTCGGTGCCATTTTT
567	CATTCCGCGCGAGTTGAAATCCAG	CTGGATTTCAACTCGCGCGGAATG
568	ACGCACGTTTTTTGGCACGGTTAA	TTAACCGTGCCAAAAAACGTGCGT
569	TGTCCATGACGTCGTTTCTCTGGT	ACCAGAGAAACGACGTCATGGACA
570	TCTCAGTCGGACTCGTATGCCAGA	TCTGGCATAAGAGTCCGACTGAGA
571	CTCCAAACGCACACATCAAGCATC	GATGCTTGATGTGTGCGTTTGGAG
572	TTCAACCAAGCGGGGTGTTCTGTA	TCACGAACACCCCGCTTGTTGAA
573	GGTGTGCGAGGGTGGTGACCTCGA	TCGAGGTCACCACCCTCCGACACC
574	AGCGCTTTTGGTCATGATTTGCAA	TTGCAAATCATGACCAAAAGCGCT
575	CCGAGGACTTACGTCTGCCCAGGA	TCCTGGGCAGACGTAAGTCCTCGG
576	GCCCAATCCAGTTCTTATGCGCCC	GGGCGCATAAGAACTGGATTGGGC
577	CGGGTTAACCCACGCAAGTTATGA	TCATAACTTGCGTGGGTAAACCCG
578	TGATTAGCGCTCAATACACGCGTG	CACGCGTGATTGAGCGCTAATCA
579	AAGGGCAGACCTTTGGTTCGACTG	CAGTCGAACCAAAGGTCTGCCCTT
580	GCGCCACAAGATTCACATGTCATT	AATGACATGTGAATCTTGTGGCGC
581	GCCATGTTCAAGGGCCTTTCGAAG	CTTCGAAAGGCCCTTGAACATGGC
582	CGCGGTGTTTTGTCTAGGTGCCGG	CCGGCACCTAGACAAAACACCGCG
583	CAACATTGTGGTGGCACTCCATCC	GGATGGAGTGCCACCACAATGTTG
584	CGATACGCGCCGTTTGTAAATC	GATTTAACAACCGGCGCGTATCG
585	GGCTATAAACGTGCGGACTGCTCC	GGAGCAGTCCGCACGTTTATAGCC
586	TGGGTAAATCACTATTGCGCGGTT	AACCGCGCAATAGTGATTTACCCA

587	GTCTTCATCGGCCCGCGCAAGCTA	TAGCTTGCGCGGGCCGATGAAGAC
588	GCGACACACCCTGTACTCTGATGC	GCATCAGAGTACAGGGTGTGTCCG
589	GTAGCAGGGTCCGCAAGACCAAGC	GCTTGGTCTTGCGGACCCTGCTAC
590	TCGCCAACGCAGGGTAACTGCCAT	ATGGCAGTTACCCTGCGTTGGCGA
591	ACTCCGAAGCTTCGAGCGGCACGA	TCGTGCCGCTCGAAGCTTCGGAGT
12	CATCGTCCCTTTTCGATGGGATCAA	TTGATCCCATCGAAAGGGACGATG
13	GCACGGGAGCTGACGACGTGTCAA	TTGACACGTCGTCAGCTCCCGTGC
594	ATCATCCACGGCAGAGTGAAGAG	CTCTTCACTCTGCCGTGGGATGAT
595	CGCTGGACTGGCCTATCCGAGTCG	CGACTCGGATAGGCCAGTCCAGCG
596	CGGTCTCAGCAAACTGTGCAAAA	TTTGCGACAGTGTTGCTGAGACCG
597	CGAACGTTCTCCGATGTAATGGCC	GGCCATTACATCGGAGAACGTTCCG
598	ATACCGTGCGACAAGCCCTCTGA	TCAGAGGGGCTTGTGCGACGGTAT
599	AGCTCATTCCCGAGACGGAACACC	GGTGTTCCGTCTCGGGAATGAGCT
600	TTTCATGCGGCCGTTGCAAATCAT	ATGATTTGCAACGGCCGCATGAAA
601	ACTCGAACGGACGTTCAATTCCCA	TGGGAATTGAACGTCCGTTTCGAGT
602	CTGCATGGTGTGGGTGAGACTCCC	GGGAGTCTCACCCACACCATGCAG
603	CCGCGAGTGTGGATGGCGTGTTGA	TCAACACGCCATCCACACTCGCGG
604	AATGTGTCGGTCCTAAGCCGGGTG	CACCCGGCTTAGGACCGACACATT
605	TAAGACGAGCCTGCACAGCTTGCG	CGCAAGCTGTGCAGGCTCGTCTTA
606	GGCGTGGGAGGATAAGACGATGTC	GACATCGTCTTATCCTCCACGCC
607	TGCTCCATGTTAGGAACGCACCAC	GTGGTGCGTTCCTAACATGGAGCA
608	CGGTGTTGGTCGGACTGACGACTG	CAGTCGTGAGTCCGACCAACACCG
609	CCGCGCGTATCTATCAGATCTGGG	CCCAGATCTGATAGATACGCGCGG
610	AAAGCATGCTCCACCTGGAGCGAG	CTCGCTCCAGGTGGAGCATGCTTT
611	ACTTGCATCGCTGGGTAGATCCGG	CCGGATCTACCCAGCGATGCAAGT
612	TGCTTACGCAGTGGATTGGTCAGA	TCTGACCAATCCACTGCGTAAGCA
613	ATGCAGATGAACAAATCGCCGAAT	ATTGCGCGATTTGTTTCATCTGCAT
614	GCAATTCTGGGCCATGTATTGCTC	GACGAATACATGGCCCAGAATTGC
615	AGGGTTCCTTACGCGTCGACATGG	CCATGTCGACGCGTAAGGAACCCT
616	GTGGAGCTAATCGCGAGCCTCAGA	TCTGAGGCTCGCGATTAGCTCCAC
617	TCGTAGTCTCACCGGCAATGATCC	GGATCATTGCCGGTGAGACTACGA
618	TTATAGCAGTGCGCCAATGCTTCG	CGAAGCATTGGCGCACTGCTATAA
619	CGAACAGTGCTGTCCGTGCTCAA	TTGAGCGACGGACAGCACTGTTCCG
620	TCCGCGTGGACTGTTAGACGCTAT	ATAGCGTCTAACAGTCCACGCGGA
621	CATTAGCCCGCTGTCGGTAACTGT	ACAGTTACCGACAGCGGGCTAATG
622	GGAAAGAAACTCAGACGCGCAATG	CATTGCGCGTCTGAGTTTCTTTCC
623	CGACTCGCTGGACAGGAGAATCGT	ACGATTCTCCTGTCCAGCGAGTCG
624	CATGATCCTCTGTTTCACCCGCGG	CCGCGGGTGAAACAGAGGATCATG
625	GGCGTAGCGCTCTAAAAGCTTCGG	CCGAAGCTTTTAGAGCGCTACGCC
626	AGTGATGCCATCAGGCCCGTATAC	GTATACGGGCCTGATGGCATCACT
627	TATGGAAAGGGCAACAGCGCTATC	GATAGCGCTGTTGCCCTTTCCATA

628	CTGTGGTTGATGGAGGATCCACAC	GTGTGGATCCTCCATCAACCACAG
629	ACTCGCTGGAATTTGCGCTGACAC	GTGTCAGCGCAAATTCAGCGAGT
630	CAGGCCCCGAACCACGCGGTTACAG	CTGTAACCGCGTGGTTCGGGCCTG
631	GGCGCAATGGGCGCATAAATACTA	TAGTATTTATGCGCCCATTGCGCC
632	GGTCAATTCGCGCTACATGCCCTA	TAGGGCATGTAGCGCGAATTGACC
633	GATGGTGGACTGGAGCCCTTCCGC	GCGGAAGGGCTCCAGTCCACCATC
634	CCGCGCATAGCGCAATAGGGGAGA	TCTCCCCTATTGCGCTATGCGCGG
635	TCTTCTGGCTGTCCGGCACCCGAA	TTCGGGTGCCGGACAGCCAGAAGA
636	GCGTTCGCAATTCACGGGCCCTTA	TAAGGGCCCGTGAATTGCGAACGC
637	TCGTTTCGGCCTTGAGAGTATCG	CGATACTCTCCAAGGCCGAAACGA
638	AGGTGCAAGTGCAAGGCGAGAGGC	GCCTCTCGCCTTGCACTTGACCT
639	CGCCAGTTTCGATGGCTGACGTTT	AAACGTCAGCCATCGAACTGGCG
640	GCTTTACCGCCGATCCCAGATATC	GATATCTGGGATCGGCGGTAAAGC
641	GTGCTTGACGAAGAGGCGAAATGT	ACATTTGCGCTCTTCGTCAAGCAC
642	CAGTCCGTGCGCTTCATGTCCTCA	TGAGGACATGAAGCGCACGGACTG
643	TACGCGTAAGAGCCTACCCTCGCG	CGCGAGGGTAGGCTCTTACGCGTA
644	GGCGAGTCTTGTGGGGACATGTGT	ACACATGTCCCCACAAGACTCGCC
645	CCAAAGCGAAGCGAGCGTGTCTAT	ATAGACACGCTCGCTTCGCTTTGG
646	GCCGTAGGTTGCTCTTCACCGAAC	GTTCCGGTGAAGAGCAACCTACGGC
647	AAATCCGCGATGTGCCGTGAGGCT	AGCCTCACGGCACATCGCGGATTT
648	GGCTTCGCACCCGTACCAATTTAG	CTAAATTGGTACGGGTGCGAAGCC
649	TGTAGAGTCCCACGTAGCCGGCAT	ATGCCGGCTACGTGGGACTCTACA
650	CACTAGTCTGGGGCAAGGTGCATT	AATGCACCTTGCCCCAGACTAGTG
651	TGTACTCGGCAGGCGCAATAGATT	AATCTATTGCGCCTGCCGAGTACA
652	AACGGGTATCGGAAGCGTAAAAGC	GCTTTTACGCTTCCGATACCCGTT
653	CGGACTGCCCGTTTGCAAGTTGAG	CTCAACTTGCAAACGGGCGAGTCCG
654	ATCGTTCAGCACTGGAGCCCGTAA	TTACGGGCTCCAGTGCTGAACGAT
655	ATGCATCGAACTAGTCGTGACGGC	GCCGTCACGACTAGTTCGATGCAT
656	TTCCAGGCATTAAGGAGAGGGAGC	GCTCCCTCTCCTTAATGCCTGGAA
657	GTGCGACATCTACTCCACGATCCC	GGGATCGTGGAGTAGATGTCGCAC
658	CTCATCGTCCTAACACGAGAGCCC	GGGCTCTCGTGTTAGGACGATGAG
659	AATGGCACTTCGGCGGTGATGCAA	TTGCATCACCGCCGAAGTGCCATT
660	CCGTGGGAGGGAATCCAACCGAGG	CCTCGGTTGGATTCCCTCCCACGG
661	AAATTCTCGTTGGTGACGGCTCAT	ATGAGCCGTCACCAACGAGAATTT
662	TTGCTCTTATCCTTGTCCTGGGCG	CGCCCAGGACAAGGATAAGAGCAA
663	TTAAGGATCAGGCGGAGCTTGCA	CTGCAAGCTCCGCCTGATCCTTAA
664	CGCGACTAAGGTGCTGCAACTCGA	TCGAGTTGCAGCACCTTAGTCGCG
665	GCTCGATTTACGGCCCGTTGTTC	GAACAACGGGCGCGTAAATCGAGC
666	AGCAGAGTGC GTTGCAAGGCTAA	TTAGCCTCTGCAACGCACTCTGCT
667	TGGAGGTGAGGACGACGTGCACTA	TAGTGACGTCGTCTCACCTCCA
668	AACCGTTTAGGGTACATTCGCGGT	ACCGCGAATGTACCCTAAACGGTT

669	TATGATCGCTCGGCTCACAGTTTG	CAAACGTGAGCCGAGCGATCATA
670	GACTTTTTGCGGAAACGTCATGGT	ACCATGACGTTTCCGCAAAAAGTC
671	TGTCGGTTATTCCACCTGCAAGGA	TCCTTGCAGGTGGAATAACCGACA
672	CTATGGTTTGCACTGCGCCGTCGA	TCGACGGCGCAGTGCAAACCATAG
673	AGCAGGGAAATTCAATCGTTCGCA	TGCGAACGATTGAATTTCCCTGCT
674	CCTAACCGAGCGCTTAGCATTTCC	GGAAATGCTAAGCGCTCGGTTAGG
675	CCCGACCCTAACTCGCATTGAATA	TATTCAATGCGAGTTAGGGTCGGG
676	TTGCTTAATGGTGACGCCACGGAT	ATCCGTGGCGTCACCATTAAGCAA
677	GATGCTCGCCGTGTTTAGTTCACG	CGTGAACATAAACACGGCGAGCATC
678	TCGGATGACGAGTTCCATGACGG	CCGTCATGGAAACTCGTCATCCGA
679	ATGCGGTCTACTTTCTCGATCGGG	CCCGATCGAGAAAGTAGACCGCAT
680	TTGCGAGGCTAAGCACACGGTAAA	TTTACCGTGTGCTTAGCCTCGCAA
681	AACTTAATTACCGCCTCTGGCGCC	GGCGCCAGAGGCGGTAATTAAGTT
682	GTGACCGCGAACTTGTTCCGACAG	CTGTGCGGAACAAGTTCGCGGTAC
683	TGCGGATTACCGATTGCTCTTAA	TTAAGAGCGAATCGGTAATCCGCA
684	TGATAGGGGGGCCACGTTGATCAGA	TCTGATCAACGTGGCCCCCTATCA
685	TCGCTCCGTAGCGATTATCGTAG	CTACGATGAATCGCTACGGAGCGA
686	TGTCAGCTGGTAGCCTCCGTTTGA	TCAAACGGAGGCTACCAGCTGACA
687	AGCGTCGCATGACGCTTACGGCAC	GTGCCGTAAGCGTCATGCGACGCT
14	AGACGCACCGCAACAGGCTGTCAA	TTGACAGCCTGTTGCGGTGCGTCT
15	CGTGTAGGGGTCCCGTGCTGTCAA	TTGACAGCACGGGACCCCTACACG
690	GTCGCATTCTGCACTGGCTTCGCC	GGCGAAGCCAGTGCAGAATGCGAC
691	TGATTAGGTGCGGTCCCGTAGTCC	GGACTACGGGACCGCACCTAATCA
692	AAGGGACCTTGGGTGACGGCGAGA	TCTCGCCGTCACCCAAGGTCCCTT
693	TCAAATGGCCACCGCGTGTCATT	GAATGACACGCGGTGGCCATTTGA
694	CTCCGACGACCAATAAATAGCCGC	GCGGCTATTTATTGGTCGTCGGAG
695	GGCTATTCCCGTAGAGAGCGTCCA	TGGACGCTCTCTACGGGAATAGCC
696	TGGATAACCTCTCGGTCCATCCAC	GTGGATGGACCGAGAGGTTATCCA
697	GACCGCTGTACGGGAGTGTGCCTT	AAGGCACACTCCCGTACAGCGGTC
698	GCCACAGAGTTTTAGCAGGGACCC	GGGTCCCTGCTAAACTCTGTGGC
699	CCCACGCTTTCCGACCACTGACCT	AGGTCAGTGGTCGGAAGCGTGGG
700	CATTGACACAATGCGGGGACTGAT	ATCAGTCCCCGCATTGTGTCAATG
701	AGCCACTCGACAGGGTTCCAAAGC	GCTTTGGAACCCTGTGAGTGGCT
702	CAGGATGAGCAAAGCGACTCTCCA	TGGAGAGTCGCTTTGCTCATCCTG
703	CAAGGTATGGTCTGGGGCCTAAGC	GCTTAGGCCCCAGACCATACTTG
704	GGTGTTGCGCCTAAACTCTTTCGG	CCGAAAGAGTTTAGGCCGAACACC
705	TTTAGTCGGACCCTGTGGCAATTC	GAATTGCCACAGGGTCCGACTAAA
706	CACACGTTTCCGACCAGCCTGAAC	GTTCAAGGCTGGTCGGAACGTGTG
707	CTGGACGAACTGGCTTCCTCGTAC	GTACGAGGAAGCCAGTTCGTCCAG
708	TTACAATCCGCCGAAAACCTGACC	GGTCAGTTTTCGGCGGATTGTGAA
709	AACAGGATATCCGCGATCACGACA	TGTCGTGATCGCGGATATCCTGTT

710	TACGTCGGATCCATTGCGCCGAGT	ACTCGGCGCAATGGATCCGACGTA
711	CATGGATCTCTCGGTTTGATCGCC	GGCGATCAAACCGAGAGATCCATG
712	AGCCAGGCGCGTATATACGCTCGG	CCGAGCGTATATACGCGCCTGGCT
713	ATTTGGCACGTGTCGTGCCATGTT	AACATGGCACGACACGTGCCAAAT
714	CCGCGTTGCACCACTTTGAGGTGC	GCACCTCAAAGTGGTGCAACGCGG
715	TTGGACGTGACAAGCATGGCGCTC	GAGCGCCATGCTTGTCACGTCCAA
716	CTGAATCGCGCAAGTAAATGGGGG	CCCCATTTACTTGCGCGATTGAG
717	GATAAGGTCCACCAGATTGCGCGC	GCGCGCAATCTGGTGGACCTTATC
718	CTAACAATTGCCAACCGGGACGGC	GCCGTCCCGGTTGGCAATTGTTAG
719	GGTAACCTGGGTGCTTGCAAGTTA	TAACCTGCAAGCACCCAGGTTACC
720	ATCGGAGCCACCATTGCGATTGGG	CCCAATGCGAATGGTGGCTCCGAT
721	GTGAACTGGCTTGCCCCAGGATTA	TAATCCTGGGGCAAGCCAGTTCAC
722	AGGCGATAGCATGGTCCCATATGA	TCATATGGGACCATGCTATCGCCT
723	AACGGTATCGTGCTAATGCACGA	TCGTGCATTAGCCACGATACCGTT
724	AGTAGTGGTCCTCCAGATCGGCAA	TTGCCGATCTGGAGGACCACTACT
725	CCGTTGAATTGGACGGGAGGTTAG	CTAACCTCCCGTCCAATTCAACGG
726	GCATAAGTGCGGCATCGGAAGGG	CCCTTCGCGATGCCGCACTTATGC
727	CGACAAGATGCAGCTGCTACATGC	GCATGTAGCAGCTGCATCTTGTCG
728	TCGCAGTGATTCCCGACCGATAAG	CTTATCGGTGCGGAATCACTGCGA
729	CAAGGCGAGTCCACTCGAGGGGAC	GTCCCCTCGAGTGGACTCGCCTTG
730	GCAACTTGACACGGCATAAGTGGCC	GGCCACTTATGCCGTGCAAGTTGC
731	TCCGAGCTTGACGTTGCGGACGTC	GACGTCGCGAACGTCAAGCTCGGA
732	AGCGCTGGGCTGTGCTGCCATCTC	GAGATGGCAGCACAGCCCAGCGCT
733	TTATGTCGCTGAGTAACCCTCGC	GCGAGGGTTACTCAGCGACATGAA
734	CGAACCGCTAATGCCATTGTGTCAG	CTGACAATGGGCATTAGCGGTTTCG
735	CACGGAAGGTGGGACAAATCGCCG	CGGCGATTTGTCCACCTTCCGTG
736	CACAGATGGAGACAAACGCGCCTT	AAGGCGCGTTTGTCTCCATCTGTG
737	TTTTCGCAACTCGCTCCATAACCC	GGGTTATGGAGCGAGTTGCGAAAA
738	ACGTTACGTTTCCGGCGCCTCTAA	TTAGAGGCGCCGAAACGTAACGT
739	TATCGGATTGCGTGGGTTTCAATC	GATTGAAACCCACGCAATCCGATA
740	CTTCCACAATTGTCTGCGACGCAC	GTGCGTCGCAGACAATTGTGGAAG
741	TGCACAAAGGTATGGCTGTCCGGC	GCCGGACAGCCATACCTTTGTGCA
742	TCCGATGCCAGTCCCATCTTAAGA	TCTTAAGATGGGACTGGCATCGGA
743	CTGAAACCGTGCGAATCGAGGTGA	TCACCTCGATTGCGACGGTTTCAG
744	CGGTGTTCCGCGTGTGCAAAAAAT	ATTTTTTCGACACGCGGAACACCG
745	TCTAGCAGGCCTTTTGAATCGCCA	TGGCGATTCAAAGGCCTGCTAGA
746	GAGTCACCTCTGAGACGGACGCCA	TGGCGTCCGTCTCAGAGGTGACTC
747	TCTTCTGTCATCCTGCAGCAGCAT	ATGCTGCTGCAGGATGACAGAAGA
748	GCGGATGAAACCTGAAAGGGGCCT	AGGCCCTTTCAGGTTTCATCCGC
749	GGGGCCCCAACTGGTATCAAGCC	GGCTTGATACCAGTTTGGGGCCCC
750	GCATTGGCTTCGGATTCTCCTACA	TGTAGGAGAATCCGAAGCCAATGC

751	AGGCGGCCCAACTGTGAGGTCTTG	CAAGACCTCACAGTTGGGCGCCT
752	ACACCATGTGCTCCGCGCTGCAGT	ACTGCAGCGCGGAGCACATGGTGT
753	ACGATGAACATGAATCGGGAGTCG	CGACTCCCGATTTCATGTTTCATCGT
754	CTGCATCCCTGTAGCAGCGCTCCG	CGGAGCGCTGCTACAGGGATGCAG
755	GTGCCGTATTTTCGACCTGTGCGTT	AACGCACAGGTGCGAAATACGGCAC
756	GCAGTGCGCACTTCAGTTCAAAAG	CTTTTGAAGTGAAGTGCAGCACTGC
757	GCGATTTTAAGCGATGCCTTGACG	CGTCAAGGCATCGCTTAAATCGC
758	TAGGTGACCTAGGCTTGCTTGCGG	CCGCAAGCAAGCCTAGGTCACCTA
759	CTGGATACCTTGCTGTGCGGCGC	GCGCCGCACAGGCAAGGTATCCAG
760	CCCCTTACGGCTCGTCGTCTATGC	GCATAGACGACGAGCCGTAAGGGG
761	GCGCTTGCCCGATGCGATGCATTA	TAATGCATCGCATCGGGCAAGCGC
762	TTTCTGTAAGCGGCCTGGGGTTCA	TGAACCCCGAGGCCGCTTACAGAAA
763	GGCTGAGGTGAGCGGTAAGGATGA	TCATCCTTACCGCTCACCTCAGCC
764	TCTTGCCCTCCCGATCTAATTTG	CAAATTAGATCGGGGAGGCCAAGA
765	GGAGGTAACGCCGTGTACGTAGGA	TCCTACGTACACGGCGTTACCTCC
766	GTAATCCATTTGTGGCTGCGTCAA	TTGACGCAGCCACAAATGGATTAC
767	CAAACCCATTCCAGCAGACGCCTG	CAGGCGTCTGCTGGAATGGGTTTG
768	TAGGAGGAATTTGGCATGCGGGCG	CGCCCGCATGCCAAATTCCTCCTA
769	ATAGGTAGGATGTGCCCGGCGTTG	CAACGCCGGGCACATCCTACCTAT
770	GCAAGTGCTTAGCTCGTCAGCCTC	GAGGCTGACGAGCTAAGCACTTGC
771	CTGGCTGTGTCGCATCTCGTTAAC	GTTAACGAGATGCGACACAGCCAG
772	CTAACGTCGTCTCGCGCAATCACT	AGTGATTGCGCGAGACGACGTTAG
773	TTTTCATAAACGTTGTCCCGAGC	GCTCGGGGACAACGTTTATGAAAA
774	AGCAGGAGGACGAACCTCCGCTCC	GGAGCGGAGGTTTCGTCTCCTGCT
775	TTCAAGCACCATCGTGCAATCCAA	TTGGATTGCACGATGGTGCTTGAA
776	AGCGTCGCCAGTGATCGCTAGTGG	CCACTAGCGATCACTGGCGACGCT
777	TACATTCCCTGCCTCCGTGGGCTT	AAGCCACGAGGAGGCAGGGAATGTA
778	CGCTTCGCGTATTTCAGTAGCGGTT	AACCGCTACTGAATACGCGAAGCG
779	TCGGACGCGTCGACACTCATTATA	TATAATGAGTGTGACGCGTCCGA
780	TCTGAGCAGGCCAGCGCTCCAGCT	AGCTGGAGCGCTGGCCTGCTCAGA
781	TTGAATTGCCAAGCCCTGAAAGCC	GGCTTTCAGGGCTTGGCAATTCAA
782	AGTTTTCGCCTTGATGCGTCGGTG	CACCGACGCATCAAGGCGAAAAC
783	GTTTCATAGGCCACGCGTGCTAAA	TTAGCACGCGTGGCCTATGAAAC
16	CATCGCTGCAAGTACCGCACTCAA	TTGAGTGCGGTAAGTGCAGCGATG

TABLE 4

Seq. ID No.	Decoder Sequence (5'-3') + 5' T	Probe Sequence (5'-3') + 5' T
17	TTTCGCCGTCGTGTAGGCTTTTCAA	TTTGAAAAGCCTACACGACGGCGAA
18	TGTTCCCAGTGAAGCTGCGATCTGG	TCCAGATCGCAGCTTCACTGGGAAC
19	TTACTTGGCATGGAATCCCTTACGC	TGCGTAAGGGATTCCATGCCAAGTA
20	TACTAGCATATTTCAAGGACCCGGC	TGCCGGTGCCCTGAAATATGCTAGT
21	TGAACGGTCAATGAACCCGCTGTGA	TTCACAGCGGGTTCATTGACCGTTC
22	TGCGGCCCTTGGTTCAATATGAATCG	TCGATTCATATTGAACCAAGGCCGC
23	TGATCGTTAGAGGGACCTTGCCCGA	TTCGGGCAAGGTCCCTCTAACGATC
24	TTGGACCTAGTCCGGCAGTGACGAA	TTTCGTCACTGCCGGACTAGGTCCA
25	TATAAACTACCCAGGACGGGCGGAA	TTTCCGCCCGTCCTGGGTAGTTTAT
26	TCATCGGTTTCGCGCCAATCCAGATA	TTATCTGGATTGGCGCGAACCGATG
27	TGTCGGGCATAGAGCCGACCACCCT	TAGGGTGGTCGGCTCTATGCCCGAC
28	TCTTGGGTCATGATTACCGTGCTA	TTAGCACGGTGAATCATGACCCAAG
29	TTGCCTAACGTGCTAATCAGCAGCG	TCGCTGCTGATTAGCACGTTAGGCA
30	TCGCATGTTTGAGCATATGCCCTGA	TTCAGGGCATATGCTCCAACATGCG
31	TAGCCACTGCATCAGTGCTGTTCAA	TTTGAACAGCACTGATGCAGTGGCT
32	TGGTTGTTTTGAGGCGTCCCACACT	TAGTGTGGGACGCCTCAAACAACC
33	TTCGACCAAGAGCAAGGGCGGACCA	TTGGTCCGCCCTTGCTCTTGGTCTGA
34	TGACATCGCTATTGCGCATGGATCA	TTGATCCATGCGCAATAGCGATGTC
35	TGAAATACGAAGTCTGCGGGAGTCG	TCGACTCCCGCAGACTTCGTATTTTC
36	TTGTCATGAATGATTGATCGCGCGA	TTGCGCGCATCAATCATTGATGACA
37	TATATCGGGATTTCGTTCCCGGTGAA	TTTCACCGGGAACGAATCCCGATAT
38	TGCGAGCGTACCGAAGGGCCTAGAA	TTTCTAGGCCCTTCGGTACGCTCGC
39	TTTACCGGCAGCGGACTTCCGAATT	TAATTCGGAAGTCCGCTGCCGGTAA
40	TGTAATCGAGAGCTGCGCGCCGTCT	TAGACGGCGCGCAGCTCTCGATTAC
41	TCCTGTTAGCGTAGGCGAGTTCGATC	TGATCGACTCGCCTACGCTAACAGG
42	TTAGCGGACCGGCAGAATGAGTTCC	TGGAATCATTCTGCCGGTCCGCTA
43	TGGTACATGCACTACGCGCACTCGG	TCCGAGTGCGCGTAGTGATGTACC
44	TAATTCATCTCGGACTCCCGCGGTA	TTACCGCGGGAGTCCGAGATGAATT
45	TGCCAAATCTGGATTGGCAGGAATG	TCATTCTGCCAATCCAGATTTGGC
46	TTGCATTTTCGGTTGAGGCACATCC	TGGATGTGCCTCAACCGAAAATGCA
47	TCCGCTCAATTCACCATGCTTCGCT	TAGCGAAGCATGGTGAATTGAGCGG
48	TCTCGGAAAGGTGCAACTTTGGTGT	TACACCAAAGTTGCACCTTTCCGAG
49	TAATTCGACCAGCAGAACGTCCCAT	TATGGGACGTTCTGCTGGTCAATT
50	TGCCAGAGTCTCAACCTCACGGGAT	TATCCCGTGAGGTTGAGACTCTGGC
51	TCCAACAACCTGGAACGGGAACCCGC	TGCGGGTTCCCGTTCCAGTTGTTGG
52	TGAGAACTGATCGCTGAGGGGCATG	TCATGCCCTCAGCGATCAGTTCTC
53	TGGCACACTAGACTTGTGGCACCGA	TTCGGTGCCACAAGTCTAGTGTGCC

54	TTCACATCCAAATATGGTCCGCGAA	TTTCGCGGACCATATTTGGATGTGA
55	TGTCTGCCGGTGTGACCGCTTCATT	TAATGAAGCGGTACACCGGCAGAC
56	TCATCGCAGAGCATAAACACCCTCA	TTGAGGGTGTATATGCTCTGCGATG
57	TGTTGGTATCTATGGCAGAGGCGGA	TTCCGCCTCTGCCATAGATACCAAC
58	TACGAGGTGCCGCTGAGGTTCCATT	TAATGGAACCTCAGCGGCACCTCGT
59	TGGAATGAGTGGACCCAGGCACATT	TAATGTGCCTGGGTCCACTCATTCC
60	TTGTCAATATGCGTCCGTGTCGTCT	TAGACGACACGGACGCATATTGACA
61	TTGATGAGCCTCAGGGTACGAGGCA	TTGCCTCGTACCCTGAGGCTCATCA
62	TCACCGCGGTGTTCCCTACAGAATGA	TTCAATTCTGTAGGAACACCGCGGTG
63	TTTGTGCGCAATGGTGTCCGCTCGG	TCCGAGCGGACACCATTGGCAACAA
64	TTTAACCTGCGTCTGCCCCCTTTCCT	TAGGAAAGGGGCAGACGCAGGTTAA
65	TAGGCGCGTTCCTGCCTTAGTGACG	TCGTCACTAAGGCAGGAACGCGCCT
66	TTAGGGCGATGGCACGAAGCTTCAA	TTTGAAGCTTCGTGCCATCGCCCTA
67	TTGCATAGAGCCAAAGTCGGCGATG	TCATCGCCGACTTTGGCTCTATGCA
68	TTTGAGAGGCAGGTGGCCACACGGA	TTCCGTGTGGCCACCTGCCTCTCAA
69	TTCCGCATTGTGAGAAAAACGAGC	TGCTCGTTTTTCTCACAATGCGGA
70	TGGCGGTTTCCGTAGCTATAGGTGC	TGCACCTATAGCTACGGAAACCGCC
71	TGGTGAAAATTTCTGAGCCACGGGC	TGCCCCGTGGCTACGAAATTTTACC
72	TCCGACGGAGGATGAAGACAATCAC	TGTGATTGTCTTCATCCTCCGTCGG
73	TCCAGTTTGGCCCAATTGCGCAAAA	TTTTTGGCGAATTGGGCCAAACTGG
74	TGGATCTATTAGGCCGTGCGCACAG	TCTGTGCGCACGGCCTAATAGATCC
75	TCGGATGTCACCGTTTGGACTTTCA	TTGAAAGTCCAAACGGTGACATCCG
76	TATCGCAAATCCTGCTCGTCCCTAA	TTTAGGGACGAGCAGGATTTGCGAT
77	TCAGGGCATGCAATAATCGAGGTTT	TGAACCTCGATTATTGCATGCCCTG
78	TCATGCGTTGATATATGGGCCAAG	TCTTGGGCCCATATATCAACGCATG
79	TCAGCTGCAGCTTGTGACCAACCAC	TGTGGTTGGTCACAAGCTGCAGCTG
80	TTTGTATGTCTGCCGACCGGCGACC	TGGTCGCCGGTCGGCAGACATACAA
81	TGATGGCGCCCGTTGATAGGTATGG	TCCATACCTATCAACGGGCGCCATC
82	TATGAGAATCGCCGGCAATCTGCTA	TTAGCAGATTGCCGGCGATTCTCAT
83	TATTTGCACTGACCGCAGGCTCGTG	TCACGAGCCTGCGGTCAGTGCAAAAT
84	TCAGGGAGAACGGTTAAGTTCCCGT	TACGGGAACCTTAACCGTTCTCCCTG
85	TAGGCCGGCGATCGAGGAGTTTGGT	TACCAAACTCCTCGATCGCCGGCCT
86	TACACGGTGGTCTCTGATAGCGACC	TGGTCGCTATCAGAGACCACCGTGT
87	TGTGCAACGCCGAGGACTTCCATCA	TTGATGGAAGTCCCTCGGCGTTGCAC
88	TTCCGGTGCCTGATAGCCATTCCGAT	TATCGGAATGGCTATCAGGCACCGA
89	TTGAAATACCACACAGCCAATTGGC	TGCCAATTGGCTGTGTGGTATTTCA
90	TGCATCGTGTACATGACTGCCGCGA	TTCCGCGGCAGTCATGTACACGATGC
91	TCAGTGTTCTAACGGCGCGCGTGAA	TTTCACGCGCGCCGTTAGAACACTG
92	TCGCTTGCAACGTTGCACCTACTCT	TAGAGTAGGTGCAACGTTGCAAGCG
93	TCGAAAACTAGTGGGCTCGCCGCG	TCGCGGCGAGCCCACTAGTTTTTCG
94	TCTTTCAGGGGAACTGCCGGAGTCG	TCGACTCCGGCAGTTCCTTCTGAAAG

95	TTTGTGGCCTTCTTGTAAGGCACG	TCGTGCCTTTACAAGAAGGCCACAA
96	TTCCACGAACGGCGACCCGTTGTCT	TAGACAACGGGTGCGCGTTTCGTGGA
97	TCGACCTTGCACGAAACCTAACGAG	TCTCGTTAGGTTTCGTGCAAGGTCG
98	TGTGCAGCTTCACGAGCCAGCCTGA	TTCAGGCTGGCTCGTGAAGCTGCAC
99	TCGCTTTTCGTGCGAATAGACGATGA	TTCATCGTCTATTTCGCACGAAAGCG
100	TTGCGCTTACAGGCTCCTAGTGGTC	TGACCACTAGGAGCCTGTAAGCGCA
101	TCACGCGCTTAGTTCGCGATCGCATA	TTATGCGATCGCGACTAAGCGCGTG
102	TCGGAGGGAGGGAGCTAGCCTTCGA	TTCGAAGGCTAGCTCCCTCCCTCCG
103	TGCATCCGGCCTGTTGATGACGCCT	TAGGCGTCATCAACAGGCCGGATGC
104	TAGGCCAATCGATCTTATTGCCGAG	TCTCGGCAATAAGATCGATTGGCCT
105	TCCTTCCAATGATTGCATACGCCCA	TTGGGCGTATGCAATCATTGGAAGG
106	TAACACTTGATCAGGCGGGTTCGTCT	TAGACGACCCGCTGATCAAGTGTT
107	TTGGAATCAAGGCCGTAAAGGACAG	TCTGTCCTTTACGGCCTTGATTCCA
108	TGCTCCCGTAACCTGTCCACCAGTG	TCACTGGTGGACAGGTTACGGGAGC
109	TAGTGGTGAATGGCCGCTACCCTGA	TTCAGGGTAGCGGCCATTCACT
110	TTGTTGAAGCGAGCTAAAACGGCCA	TTGGCCGTTTTAGCTCGCTTCAACA
111	TCAGCGCTCCAGAATTGACAGCAAT	TATTGCTGTCAATTCTGGAGCGCTG
2	TTTCGAAGCGCACGTCCCTTTTCAA	TTTGAAAAGGGACGTGCGCTTCGAA
3	TAACGCGTGGGGAATGGGACATCAA	TTTGATGTCCCATTCACCGCGTT
114	TCACGAGATACCGGCGTAAGGGTGG	TCCACCCTTACGCCGGTATCTCGTG
115	TCTACGGCAAACGTGTGGAATGGGT	TACCCATTCCACACGTTTGCCGTAG
116	TGTAGGGCGATGACGGGCGAACTAC	TGTAGTTCGCCCGTCATCGCCCTAC
117	TAATCGACCTCCGCACACATTTCGA	TTGCGAATGTGTGCGGAGGTTCGATT
118	TGAGTCAGCATGGCGGCGGAGATTTC	TGAATCTCCGCCGCCATGCTGACTC
119	TAGATAAAGACGCTGGCAACACGGG	TCCCGTGTTGCCAGCGTCTTTATCT
120	TGGTACCTCAACGCGAACCCTTGT	TACAAGTGGTTTCGCGTTGAGGTACC
121	TAAGCGATGGCTACCCAAGAGCGAT	TATCGCTCTTGGGTAGCCATCGCTT
122	TAGAGCTTATGCAGAACCAGGCGCC	TGGCGCCTGGTTCTGCATAAGCTCT
123	TATCGGTCTCACGCAGGTTGGATA	TTATCCAACCCTGCGTGAGACCGAT
124	TTAGGTTGCCCGCCAGAAGAAACAT	TATGTTTCTTCTGGCGGGCAACCTA
125	TCGGTGCTGTTGCAAAAGCCTGTAG	TCTACAGGCTTTTGCAACAGCACCG
126	TTGATGAAAGTTTGCGGCAGGACAC	TGTGTCCTGCCGCAAACCTTTCATCA
127	TGTTGAGTGCAGGATGCAGCGATAG	TCTATCGCTGCATCCTGCACTCAAC
128	TAACATTGCGCGGTCCACCAGGGTT	TAACCCTGGTGGACCGCGCAATGTT
129	TGGGCAGTTAGAGAGGGCCAGAAGT	TACTTCTGGCCCTCTCTAACTGCCC
130	TTGAGCTGGTCCCCGTGAACGTGT	TACACGTTACGGGGACCAGCTCGA
131	TGTCTTGGGGGCCGCTTAGTGAAAA	TTTTTCACTAAGCGGCCCCCAAGAC
132	TACTGTTGGCTTGCTCTCATGTCCA	TTGGACATGAGAGCAAGCCAACAGT
133	TAGGACCATTTCGAAGGCGAAGATA	TTATCTTCGCCTTCCGAATGGTCCT
134	TCTTGGGAGGCATCCGCTATAAGGA	TTCTTATAGCGGATGCCTCCCAAG
135	TAATAAACGGAACGCACCGCTACAG	TCTGTAGCGGTGCGTTCCGTTTATT

136	TTTGTACGTGCGGTCCCCATAAGCA	TTGCTTATGGGGACCGCACGTACAA
137	TCGCACCAAACCTGAGTTTCCCAGAC	TGTCTGGGAAACTCAGTTTGGTGCG
138	TACCTGATCGTTCCCTATTGGGAA	TTTCCAATAGGGGAACGATCAGGT
139	TGGAACAGAGGCGAGGGGACTGAGC	TGCTCAGTCCCCTCGCCTCTGTTCC
140	TCCCTGCCTTGGCGTGTCGGCTTAT	TATAAGCCGACACGCCAAGGCAGGG
141	TACTCTGACACGCCAACTCCGGAAG	TCTTCCGGAGTTGGCGTGTCAGAGT
142	TCTGACGGTTTTTCATTGCGCGTGCC	TGGCACGCCGAATGAAAACCGTCAG
143	TTGCGGTGGTTTATTGGAGCTGGCC	TGGCCAGCTCCAATGAACCACCGCA
144	TGCATGGCCAACTAGTGAAGTCGAA	TTTGCGAGTCACTAGTTGGCCATGC
145	TAGGCCGTAAAGCGAATCTCACCTG	TCAGGTGAGATTTCGCTTTACGGCCT
146	TCGAATATTATGCCGAGAATCCGCG	TCGCGGATTCTCGGCATAATATTCCG
147	TACAGACGAGCTCCCAACCACATGA	TTTATGTGGTTGGGAGCTCGTCTGT
148	TGGACGGTTTGTGCTGGATTGTCTG	TCAGACAATCCAGCACAAACCGTCC
149	TAAAGGCTATTGAGTTGGTTGGGCG	TCGCCCCAACCAACTCAATAGCCTTT
150	TGATGGCCTATTCGGAGATCGGGCC	TGGCCCGATCTCCGAATAGGCCATC
151	TGATCCAGTAGGCAGCTTCATCCCA	TTGGGATGAAGCTGCCTACTGGATC
152	TAATAACTCGCGCGGGTATGCTTCT	TAGAAGCATACCCGCGCGAGTTATT
153	TGGAGGAGGTTTGTCTCGGAAAGCA	TTGCTTTCCGAGACAAACCTCCTCC
154	TCTTTGGTATGGCACATGCTGCCCG	TCGGGCAGCATGTGCCATACCAAAG
155	TAGAAAGGCTCGAGCAACGGGAACT	TAGTTCCCGTTGCTCGAGCCTTTCT
156	TAATCTACCGCACTGGTCCGCAAGT	TACTTGCGGACCAGTGCGGTAGATT
157	TCGTGGCGGCCACAGTTTTTGGAGG	TCCTCCAAAACCTGTGGCCGCCACG
158	TTTGCAAGTTCAATCCATACGCACGT	TACGTGCGTATGGATTGAACTGCAA
159	TGGCCCAAAGCCCCAGACCATTTTA	TTAAAATGGTCTGGGGCTTTGGGCC
160	TCGCCTGTCTTTGTCTCCGACAAT	TATTGTCCGGAGACAAAGACAGGCG
161	TTGAGGCAACAGGGGCCAAAACTA	TTAGTTTTTGGCCCCTGTTGCCTCA
162	TAGCGGAAGTAGTCCTCGGCTCGTC	TGACGAGCCGAGGACTACTTCCGCT
163	TGGCCCCAAGGCTTAGAGATAGTGG	TCCACTATCTCTAAGCCTTGGGGCC
164	TGCACGTGAAGTTTAACCGCGATTG	TGAATCGCGGTTAACTTCACGTGC
165	TAGCGGCAGAAACGTTCTTGACGG	TCCGTCAAGGAACGTTTCTGCCGCT
166	TTCTGTCGAGCAGACGAGATTGCACG	TCGTGCAATCTCGTCTGCTCGACGA
167	TTCTTTGCCGCGTAACTGACTGCTT	TAAGCAGTCAGTTACGCGGCAAAGA
168	TTTTATGTGCCAAGGGGTTAACCGA	TTCGGTAAACCCCTTGGCACATAAA
169	TTGTTACTGTGGTTCACGGCAGTCC	TGGACTGCCGTGAACCACAGTAACA
170	TCGCGCCTCGCTAGACCTTTTATTG	TCAATAAAAGGTCTAGCGAGGCGCG
171	TACAAATGCGTGAGAGCTCCCAACT	TAGTTGGGAGCTCTCACGCATTTGT
172	TCGCGCAGATTATAGACCCGAATGT	TACATTCCGGTCTATAATCTGCGCG
173	TCAAATAACGCCGCTGAATCGGCGT	TACGCCGATTTCAGCGGCGTTATTTG
174	TCCTTCGTGCATCGGTGATGATGTT	TAACATCATCACCGATGCACGAAGG
175	TTGAACACGAGCAACACTCCAACGC	TGCGTTGGAGTGTTGCTCGTGTTCA
176	TCAGCAGATCCTTCGTAGCGGTCTG	TACGACCGCTACGAAGGATCTGCTG

177	TGGAACCTGGTGAGTTGTGCCTCAT	TATGAGGCACAACCTACCAGGTTCC
178	TTCATAAGCGACAATCGCGGGCTTA	TTAAGCCCGCGATTGTGCGTTATGA
179	TCCCAACGTCACTGAAGCTCACAGT	TACTGTGAGCTTCAGTGACGTTGGG
180	TTGTCAGAGCCCCGCGACTCAGACGG	TCCGTCTGAGTCGCGGGCTCTGACA
181	TTACACGAAGCCTCTCCGTGGTCCA	TTGGACCACGGAGAGGCTTCGTGTA
182	TCTCAGAAGTCCTCGGCGAACTGGG	TCCCAGTTCGCCGAGGACTTCTGAG
183	TATCCTTTTATCTACTCCGCGGCGA	TTGCGCCGCGGAGTAGATAAAAGGAT
184	TAGGCGTGCAGCAACAGGATAAACC	TGGTTTATCCTGTTGCTGCACGCCT
185	TACTCTCGAGGGAGTCTCTGGCACA	TTGTGCCAGAGACTCCCTCGAGAGT
186	TTTGCCAGGTCCATCGAGACCTGTT	TAACAGGTCTCGATGGACCTGGCAA
187	TTCCACTATAACTGCGGGTCCGTGT	TACACGGACCCGCGAGTTATAGTGGA
188	TGCCCAGTCGGCTCTAACAAGTTCG	TCGAACTTGTTAGAGCCGACTGGGC
189	TCGGAACGATAATCGGCGTCAGGT	TACCTGACGCCGATTATCCGTTCCG
190	TTAAAATAAGCGCCTGGCGGGAGGA	TTCTCCCGCCAGGCGCTTATTTTA
191	TGCGCACTCGTGAAACCTTTCTCGC	TGCGAGAAAGGTTTCACGAGTGCGC
192	TAGTTTGCCAGGTACTGGCAAGTGC	TGCACTTGCCAGTACCTGGCAAACCT
193	TACAACGAGGGATGTCCAGCGGCAT	TATGCCGCTGGACATCCCTCGTTGT
194	TTTCGCAGCACCCGCTAGGTACAGT	TACTGTACCTAGCGGGTGCTGCGAA
195	TTAACCCGATTTTTGCGACTCTGCC	TGGCAGAGTCGAAAAATCGGGTTA
196	TCGTGCGATTGCAAGCGTAGGCTTG	TCAAGCCTACGCTTGCAATGCGACG
197	TGAGCTGACGTCACCATCAGAGGAA	TTTCCTCTGATGGTGACGTCAGCTC
198	TGGAGGCTGGGGGTGCGGCTTAAGT	TACTTAAGCGCGACCCCCAGCCTCC
199	TTTGTGGGAACCGCACTAGCTGGCT	TAGCCAGCTAGTGCGGTTCCACAA
200	TCCCTCGCACTGTGTTCAACCCTCTT	TAAGAGGGTGAACACAGTGCGAGGG
201	TTCAATTGACTCGAATCCGCACAACG	TCGTTGTGCGGATTTCGAGTCAATGA
202	TACAGGGGTTGGCCTTCGTACGTAC	TGTACGTACGAAGGCCAACCCCTGT
203	TAGGCCGTGCAACATCACACAGGAT	TATCCTGTGTGATGTTGCACGGCCT
204	TGGGCCGTGGTCACGTAATATTGGC	TGCCAATATTACGTGACCACGGCCC
205	TGCGCGGACATGAAACGACAAGGCC	TGGCCTTGTCGTTTCATGTCCGCGC
206	TCTTATTGGGTGCCGGTGTCGGATT	TAATCCGACACCGGCACCCAATAAG
207	TGGGGCGGTTACCAAAAAATCCGAT	TATCGGATTTTTTGGTAACCGCCCC
4	TCCGTCGCATACCGGCTACGATCAA	TTTGATCGTAGCCGGTATGCGACGG
5	TATGGCCGTGCTGGGGACAAGTCAA	TTTGACTTGTCCCAGCACGGCCAT
210	TACGAAAAAAGTGTCGGATCCCCT	TAGGGGATCCGCACACTTTTTTCGT
211	TCCAAGTACACCGCACGCATGTTTA	TTAAACATGCGTGCGGTGTACTTGG
212	TATCGTGCGTGAGTGTCGCATCTA	TTAGATGCGACACTCCACGCACGAT
213	TTCCAGATACCGCCCCGAACCTTGA	TTCAAAGTTCGGGGCGGTATCTGGA
214	TTCTGCTGGCAGCACGTGAAGTGGC	TGCCACTTCACGTGCTGCCAGCAGA
215	TTTGAAATTGCTCTGCCGTCACTCA	TTGACTGACGGCAGAGCAATTTCAA
216	TAGTCAGGCGAGATGTTCAAGGCAGC	TGCTGCCTGAACATCTCGCCTGACT
217	TACAAGCCGACGTTAAGCCCGCCCA	TTGGGCGGGCTTAACGTGCGGCTTGT

218	TCCCTAATGAGGCCAGTAACCTGCA	TTGCAGGTTACTGGCCTCATTAGGG
219	TGTGAGACACACATCCCCTCCAATG	TCATTGGAGGGGATGTGTGTCTCAC
220	TCGACGGATGCAGAGTTCAGTGGTC	TGACCACTGAACTCTGCATCCGTCG
221	TCCCGCATGCCTGGCGGTATTACAA	TTTGTAAACCGCCAGGCATGCGGG
222	TTTAGCAAAGCGGCGCCGTTAGCAA	TTTGCTAACGGCGCCGCTTTGCTAA
223	TCCCGACACGGGTCAGCGTAATAAT	TATTATTACGCTGACCCGTGTGCGG
224	TGCGACGGCCCTGAGGTATGTCGTC	TGACGACATACCTCAGGGCCGTCGC
225	TCAAAAGTGTGTTCCCTTGCGCTTG	TCAAGCGCAAGGGAACACACTTTTG
226	TTCTCGAAGCACAGCCCGGTTATTG	TCAATAACCGGGCTGTGCTTCGAGA
227	TATGCTAACCGTTGGCCATGGAAC	TAGTTCCATGGCCAACGGTTAGCAT
228	TCTTGCGGAGTGTTAGCCCAGCGGT	TACCGCTGGGCTAACACTCCGCAAG
229	TTGCTCCCTAGGCGCTCGGAGGAGT	TACTCCTCCGAGCGCCTAGGGAGCA
230	TCCAATGCCTTTGAGTAAGCGATGG	TCCATCGCTTACTCAAAGGCATTGG
231	TAGCAGATAACGTCCCAATGACGCC	TGGCGTCATTGGGACGTTATCTGCT
232	TTTGACCATTACGTGTTGCGCCCAT	TATGGGCGCAACACGTAATGGTCAA
233	TTGCGGTATTTGCGGAATTCGTCTG	TCAGACGAATTCGCAAATACGCGA
234	TCTGCGTGTCAACAATGTCCCGCAG	TCTGCGGGACATTGTTGACACGCAG
235	TTCTGGTGCCACGCAAGGTCCACAG	TCTGTGGACCTTGC GTGGCACCAGA
236	TCTCCGGGAGGTCACTTAATTGCGG	TCCGCAATTAAGTGACCTCCCGGAG
237	TTTTTCGTGATTGCCCGGAGGAGGC	TGCCTCCTCCGGGCAATCACGAAAA
238	TTCGGGATGTAGCTGGGGCTACCGG	TCCGGTAGCCCCAGCTACATCCCGA
239	TCGAGCCAACGCAAACACGTCCTTG	TCAAGGACGTGTTTGCGTTGGCTCG
240	TGCAAAGCCTTTGTGGGGCGGTAGT	TACTACCGCCCCACAAAGGCTTTGC
241	TATTCGACCGGAAATGAGGTCTTCG	TCGAAGACCTCATTTCCGGTCAAT
242	TTTCGCTTGCTGAGTTGCTCTGTTC	TGAACAGAGCAACTCAGCAAGCGAA
243	TCGCGTGAAGACCCCATTCGCGAGT	TACTCGGGAATGGGGTCTTCACGCG
244	TAACCGTATTGCGGGTCACTTGTGG	TCCACAAGTGACCGCGAATACGGTT
245	TGGGGCCAACCGTTTCGAGGCGTAT	TATACGCCTCGAAACGGTTGGCCCC
246	TTTCGGCTGGCAGTCCAAACGGCTT	TAAGCCGTTTGGACTGCCAGCCGAA
247	TGGGTGTGGTTAGAATGCACGGTTC	TGAACCGTGCATTCTAACCACACCC
248	TGCGAGGACCGAACTAGACAAACGG	TCCGTTTGTCTAGTTCGGTCTCTCG
249	TACGCACGCGTGACCGAAGTTGCTG	TCAGCAACTTCGGTCACGCGTGCCT
250	TTAAAAGGTCGCTTTGAAAGGGGGA	TTCCCCCTTTCAAAGCGACCTTTTA
251	TTGCGATCGCTAACTGCTGGGACAA	TTTGTCCAGCAGTTAGCGATCGCA
252	TGGAGGTATAAGCGGAGCGGCCTCA	TTGAGGCCGCTCCGCTTATACCTCC
253	TATGCTGACATGTCGTGCACCTCGT	TACGAGGTGCACGACATGTCAGCAT
254	TTGTGGTTAAAGCGTCCGTTCAACG	TCGTTGAACGGACGCTTTAACCACA
255	TCGTTACACCGGCGTAAGCTGCGT	TACGCAGCTTACGCCGGTGTGAACG
256	TCCTATCCCGGCGGAGAACTTCTGTG	TCACAGAAGTTCTCGCCGGGATAGG
257	TGTCTGCACTCACGCAGCGGAGGGA	TTCCCTCCGCTGCGTGAGTGACAGAC
258	TGCACGAGTTGGTGCTCGGCAGATT	TAATCTGCCGAGCACCAACTCGTGC

259	TAACGTCGCACGACACACGTTTCGTC	TGACGAACGTGTGTCGTGCGACGTT
260	TATGCGCGCTTATCCTAGCATGGTC	TGACCATGCTAGGATAAGCGCGCAT
261	TTACGTTTTTCGTCTCGACATGAGG	TCCTCATGTGAGACGAAAACGTGA
262	TTGTGCCTCATCCTTAGGATACGGC	TGCCGTATCCTAAGGATGAGGCACA
263	TAGGTGGTGTGGGTCAACCGCTTTA	TTAAAGCGGTTGACCCACACCACCT
264	TCTGGATCGAAGGGACTGCAAGCTC	TGAGCTTGCAGTCCCTTCGATCCAG
265	TTAGATCAACTCGCGTACGCATGGA	TTCCATGCGTACGCGAGTTGATCTA
266	TGATCCTGCGGAGAAGAGAGTGCAG	TCTGCACTCTCTTCTCCGCAGGATC
267	TTACGTGTGGAGATGCCCCGAACCG	TCGGTTCGGGGCATCTCCACACGTA
268	TGCGCTATGTCAATCGTGGGCGTAG	TCTACGCCACGATTGACATAGCGC
269	TAGCGAGGTTTCTAGCGTCGACACC	TGGTGTGACGCTAGAAACCTCGCT
270	TACCCAGGTTTTGCCGTTGTGGAAT	TATTCCACAACGGCAAAACCTGGGT
271	TCCCTGTTAACGGCTGCGTAGTCTC	TGAGACTACGCAGCCGTTAACAGGG
272	TAGGCCGATTTACCCGCCAATTGC	TGCAATTGGCGGGTGAAATCGGCCT
273	TGAGCCCTCACTCCTTGCCCTTTGA	TTCAAAGGGCAAGGAGTGAGGGCTC
274	TGGGTGGACATCCGCCTCGCAGTCA	TTGACTGCGAGGCGGATGTCCACCC
275	TGATGGCTGAGAACCGTGCTACGAT	TATCGTAGCACGGTTCTCAGCCATC
276	TTGACGTTAGGAGTGCTGCCAGAA	TTTCTGGCAGCACTCCTAACGTCGA
277	TGAATGGGTCTGGACCTTGATAG	TCTATGCAAGGTCCAGACCCATTCCG
278	TGTGCACCAGACATTGGAACCTCGGA	TTCCGAGTTTGAATGTCTGGTGCAC
279	TAGAGGCCCGTATATCCCATCCAT	TATGGATGGGATATACGGGGCCTCT
280	TAACGCCTGTTCAAGAGCATCAGCGG	TCCGCTGATGCTCTGAACAGGCGTT
281	TAAGGCTCAACACGCCTATGTGCGC	TGCGCACATAGGCGTGTTGAGCCTT
282	TAGTCCGTGTTGCCAGATTGGCTCG	TCGAGCCAATCTGGCAACACGGACT
283	TATGTCCCATGTAAAGACGCGTGTG	TCACACGCGTCTTTACATGGGACAT
284	TATGGAGTCTGCTCACGCCCAAAGG	TCCTTTGGGCGTGAGCAGACTCCAT
285	TCGGCCTCCAACAAGGAGCACTAAC	TGTTAGTGCTCCTTGTTGGAGGCCG
286	TCAGAGCCGTGGCAACATTGCGAGC	TGCTCGCAATGTTGCCACGGCTCTG
287	TTCATTTGAATGAGGTGCGCACCGG	TCCGGTGCGCACCTCATTCAAATGA
288	TGACGTACCGGAAGCGCCGTATAAA	TTTTATACGGCGCTTCCGGTACGTC
289	TATGCGAGCAATGGGATCCGGATTTC	TGAATCCGGATCCCATTGCTCGCAT
290	TAGAGTGAGGCCTCCCTGACCAGTG	TCACTGGTCAGGGAGGCCTCACTCT
291	TGCACCGTAAGTAGATTTGCCCGC	TGCGGGCAAATCTACTTACGGTGCG
292	TTGAACCTTTGAGCACGTCGTGCGC	TGCGCACGACGTGCTCAAAGGTTCA
293	TTCCGCCTTTTTGGTTACCTCGAAG	TCTTCGAGGTAACCAAAAAGGCGGA
294	TGAACGCCAACGGCACTAACACATC	TGATGTGTTAGTGCCGTTGGCGTTC
295	TCCGACAGCAGCCAAGACGTCCAG	TCTGGGACGTCTTGGCTGCTGTCGG
296	TCATAAAAAAACCTGGGGCTCTGCG	TCGCAGAGCCCCAGGTTTTTTTATG
297	TTGCCAACTGTGCAGACCGGACTTA	TTAAGTCCGGTCTGCACAGTTGGCA
298	TGGCGAAAGAGCGAAACCGGCTCGT	TACGAGCCGGTTTCGCTCTTTCGCC
299	TGGGATGCGTATTTTAGCGAACACG	TCGTGTCGCTAAAATACGCATCCC

300	TTGGGATT CAGCGAC CAGTACGCGA	TTCGCGTACTGGTCGCTGAATCCCA
301	TCCCGATATTCGCCCGGCCTATTCG	TCAATAGGCCGGGCGAATATCGGG
302	TCGAGAAGATGCCTCACGCAACCAA	TTTGGTTGCGTGAGGCATCTTCTCG
303	TAACCTTGACCCGTGGATGACGCTA	TTAGCGTCATCCACGGGTCAAGGTT
6	TTTGCAACGGGCTGGTCAACGTCAA	TTTGACGTTGACCAGCCC GTTGCAA
7	TCGCATAGGTTGCCGATTTTCGTCAA	TTTGACGAAATCGGCAACCTATGCG
306	TGCTTCCGGATGAACGGGATGGTTG	TCAACCATCCC GTTCATCCGGAAGC
307	TCCCTCCATGTTCTTCGAACGGTTT	TAAACCGTT CGAAGAACATGGAGGG
308	TTTGATGGGCGGCAATGCTCTTGCT	TAGCAAGAGCATTGCCGCCCATCAA
309	TATTGTGAGATGCGCCAAATCCCC	TGGGGAATTTGGCGCATCTCACAAT
310	TTCAGCACAGCCAGACGGTCAACTT	TAAGTTGACCGTCTGGCTGTGCTGA
311	TACTCCACTCCTCGGTGGCAAACCTA	TTAGTTTGCCACCGAGGAGTGGAGT
312	TTCTGGGCATGCCTGGACGGAGACG	TCGTCTCCGTCCAGGCATGCCCAGA
313	TTCTCAACTCCGGTACGACGAAACA	TTGTTTCGTCTGACCGGAGTTGAGA
314	TTTGCGTGGTCAAAGGCGCAACGTG	TCACGTTGCGCCTTTGACCACGCAA
315	TAGACAGCGATCCGCGGCTCATGAT	TATCATGAGCCGCGGATCGCTGTCT
316	TCGCGTCTCTAACTGAGAGCAGCCA	TTGGCTGCTCTCAGTTAGAGACGCG
317	TAGGCGCACATGTACGGACATTCAG	TCTGAATGTCCGTACATGTGCGCCT
318	TGATGAGTGGCACGTCGGTGTGTAA	TTTACACACCGACGTGCCACTCATC
319	TTGATCCATATTGTGCGACGTTGCG	TCGCAACGTCCGACAATATGGATCA
320	TACCTGCCGGGAGTTCATAGGCTAG	TCTAGCCTATGAACTCCC GGCAGGT
321	TAGCATTGGCGTTTTTCCGCAACGA	TTCGTTGCGGAAAAACGCCAATGCT
322	TGGTAATATTCAGCGCGACCGCTCA	TTGAGCGGTGCGGCTGAATATTACC
323	TATAGCGTACGACGAGGTGACGCGC	TGCGCGTCACCTCGTCGTACGCTAT
324	TTAGGTCACGATGCGTTTGACGCTA	TTAGCGTCAAACGCATCGTGACCTA
325	TACTGCCCCGTACCTCTGGTTCTGGC	TGCCAGAACCAGAGGTACGGGCAGT
326	TCCTTTGGCCTGAAGTTGTGCTAGC	TGCTACGACAAC TTCAGGCCAAAGG
327	TGTGCCCCACGAGCGTATCGTTGTA	TTACAACGATACGCTCGTGGGGCAC
328	TAGGCGCTACGTGGGCCTGGAGCAA	TTTGCTCCAGGCCACGTAGCGCCT
329	TGGGTGCTACCATTCATTAGTCCG	TCGGACTAATGCAATGGTAGCACCC
330	TACCACGCGCGTACGTGTAACCGAG	TCTCGGTTACACGTACGCGCGTGGT
331	TCCATGATGCATTGGGTGCATTTAG	TCTAAATGCACCCAATGCATCATGG
332	TGGTCCGGCCCTACGAAACGTTCTGA	TTCGAACGTTTCGTAGGGCCGGACC
333	TCCGTGTGGCTGGAGATTCGTGTGA	TTACACGAATCTCCAGCCACACGG
334	TGTTAGGGCGACGCATATTGGCACA	TTGTGCCAATATGCGTCGCCCTAAC
335	TGGGTGAGTCAGGTGCGTTAGGATC	TGATCCTAACGCACCTGACTGACCC
336	TGCCGTGAAGTCGAATGCAGATCGA	TTCGATCTGCATTGACTTCACGGC
337	TGCCACCACCCAGTGCAATTCAGGTA	TTACCTGAATGCACTGGGTGGTGCC
338	TGAGCTTAGTTTGCGGTCATCGGGC	TGCCCCGATGACCGCAAAC TAAGCTC
339	TTGTTTGCCGCCATTAGGGAGTAAC	TGTTACTCCCTAATGGCGGCAAACA
340	TGCTCCGCTGGATGTGCCGGTTTAG	TCTAAACCGGCACATCCAGCGGAGC

341	TCGGTAGCATGCGAGATCCCTGTTA	TTAACAGGGATCTCGCATGCTACCG
342	TCTACGCTCTACCAGTTGCCTGCGA	TTCGCAGGCAACTGGTAGAGCGTAG
343	TGTGCCTCCTGCTGTATTTGCCAAG	TCTTGGCAAATACAGCAGGAGGCAC
344	TTTGCGACTCGACTTGGACGAGTAG	TCTACTCGTCCAAGTCGAGTCGCAA
345	TTCTGGGAGCTGTTTACTCCAGCCA	TTGGCTGGAGTAAACAGCTCCCAGA
346	TTGCACGCGGAACCTCCCTTTACCAT	TATGGTAAAGGGAGTTCCGCGTGCA
347	TTGGCAGCAAATGAATCGAAAGCAC	TGTGCTTTGATTCAATTTGCTGCCA
348	TAAGTGGTGACGCGGTACAGCGAAG	TCTTCGCTGTACCGCGTCACCAGTT
349	TAGACGATTACGCTGGACGCCGTCG	TCGACGGCGTCCAGCGTAATCGTCT
350	TATGCCCTCCTTCATGGAAAGGGTT	TAACCCCTTTCCATGAAGGAGGGCAT
351	TATTCTCGGAGCGTATGCGCCAGAA	TTTCTGGCGCATACGCTCCGAGAAT
352	TATAGCGGAGTTTGGGTACGCGAAC	TGTTGCGGTACCCAACTCCGCTAT
353	TACCTACGCATACCGCTTGGCGAGG	TCCTCGCCAAGCGGTATGCGTAGGT
354	TGATTACCTGAATGGCCAAGCGAGC	TGCTCGCTTGGCCATTCAGGTAATC
355	TCCTGTTAGCATCACGGCGCTTAGG	TCCTAAGCGCCGTGATGCTAACAGG
356	TCGGAATGATGCGCTCGACAACGCT	TAGCGTTGTGAGCGCATCATTCCG
357	TTGAGAGAGGCGTTGGTTAAGGCAA	TTTGCCTTAACCAACGCCTCTCTCA
358	TAAGCAGGCGAAGGGATACTCCTCG	TCGAGGAGTATCCCTTCGCCTGCTT
359	TTACACGACAGACGGGCCGAGATTAC	TGTAATCTCGGCCCGTCTGTCGTGA
360	TAAGCAATTTGGCCTCGTTTTGTGA	TTACACAAAACGAGGGCCAAATTGCTT
361	TGCTGGTTGCGGTAGGATCGCATAT	TATATGCGATCCTACCGCAACCAGC
362	TTTGTGAATCCGTTCTGTCCCCGAC	TGTCGGGGACAGAACGGATTACAA
363	TTGGGCTCCTCTGAGGCGAGATGGC	TGCCATCTCGCCTCAGAGGAGCCCA
364	TGGATAGAGTGAATCGACCGGCAAC	TGTTGCCGGTCGATTCACTCTATCC
365	TTGCACCGAACGTGCACGAGTAATT	TAATTACTCGTGCACGTTCCGGTGCA
366	TGCCAGTATTCTCGGGTGTTGGACG	TCGTCCAACACCCGAGAATACTGGC
367	TTGCTACCTAAGACCGGGCCATAC	TGTATGGCCCGGTCTTAGGTAGCGA
368	TTGGCATTGACGAGCAGCAGTCACT	TACTGACTGCTGCTCGTCAATGCCA
369	TCGCGTCCCAGCGCCCTTGGAGTAT	TATACTCCAAGGGCGCTGGGACGCG
370	TATGAAGCCTACCGGGCGACTTCGT	TACGAAGTCGCCCCGGTAGGCTTCAT
371	TCCAGACAGATGGCCTGGAACCATG	TCATGGTTCCAGGCCATCTGTCTGG
372	TTGGCGTGAGGACCATCTCAAAGCTA	TTAGCTTTGAGATGGTCCCACGCCA
373	TCCGCATGGGAACACGTGTCAAGGT	TACCTTGACACGTGTTCCCATGCGG
374	TGCCCACTCGTCAGCTGGACGTAAT	TATTACGTCCAGCTGACGAGTGGGC
375	TATTACGGTCGTGATCCAGAAAGCG	TCGCTTTCTGGATCACGACCGTAAT
376	TTGCGAGGTGAGCACCTACGAGAGA	TTCTCTCGTAGGTGCTCACCTCGCA
377	TGGGCCGCATTCTTGATGTCCATTC	TGAATGGACATCAAGAATGCGGCCC
378	TCCTCGGATGTGGGCTCTCGCCTAG	TCTAGGCGAGAGCCCACATCCGAGG
379	TTAGGCATGTTGGCGTGAGCGCTAT	TATAGCGCTCACGCCAACATGCCTA
380	TCGATACGAACGAGGATGTCCGCCT	TAGGCGGACATCCTCGTTTCGTATCG
381	TTACGCCGGTTAGCACGGTGCGCTA	TTAGCGCACCGTGCTAACCGGCGTA

382	TCATACGATGTCCGGGCGGTGTCGC	TGCGACACGGCCCCGGACATCGTATG
383	TATCCGCAGTTGTATGGCGCGTTAT	TATAACGCGCCATACAACCTGCGGAT
384	TGGGTAAGGGACAAAGATGGGATGG	TCCATCCCATCTTTGTCCCTTACCC
385	TATTGGAGTGTGTTTGGTGAATCCGC	TGCGGATTCACCAAAACACTCCAAT
386	TGAACCGAGCCAACGTATGGACACG	TCGTGTCCATACGTTGGCTCGGTTT
387	TGCCGTCAAGCTTAAGGTTTTGGGC	TGCCCCAAACCTTAAGCTTGACGGC
388	TACCTGCTTTTGGGTGGGTGATATG	TCATATCACCCACCCAAAAGCAGGT
389	TAATCGTGGGCGCAGCAAACGTATA	TTATACGTTTGCTGCGCCACGATT
390	TGTCGCCGATTGCTCAGTATAAGC	TGCTTATACTGAGCAATCCGCGGAC
391	TACCCGTCGATGCTTCCTCCTCAGA	TTCTGAGGAGGAAGCATCGACGGGT
392	TATCCGGGTGGGCGATACAAGAGAT	TATCTCTTGTATCGCCCACCCGGAT
393	TTTCCGCATGAGTCAGCTTTGAAA	TTTTTCAAAGCTGACTCATGCGGAA
394	TGCAAAGTCCCACTGGCAAGCCGAT	TATCGGCTTGCCAGTGGGACTTTGC
395	TCGACCTCGGCTTCATCGTACACAT	TATGTGTACGATGAAGCCGAGGTCTG
396	TCTCATGAGCGCAGTTGTGCGTGAG	TCTCACGCACAACCTGCGCTCATGAG
397	TCAGATGAAGGATCCACGGCCGGAG	TCTCCGGCCGTGGATCCTTCATCTG
398	TTCAAAGGCTCTTGATACAGCCGT	TACGGCTGTATCCAAGAGCCTTTGA
399	TTCCGCTAATTTCCAATCAGGGCTC	TGAGCCCTGATTGGAAATTAGCGGA
8	TCCGTTTGCGGTGCTCCTTGCTCAA	TTTGAGCAAGGACGACCGCAAACGG
9	TTTCGCTTTGCTGGCTGCACTTCAA	TTTGAAGTGCAGCCACGAAAGCGAA
402	TCTTAGTTGGGGCGCGGTATCCAGA	TTCTGGATACCGCGCCCCAACTAAG
403	TGCTCTAATGCCGTGGAGTCGGAAC	TGTTCCGACTCCACGGCATTAGAGC
404	TCCGATTACAAATTGACTGACCGCA	TTGCGGTGAGTCAATTTGTAATCGG
405	TAGACGTACGTGAGCCTCCCGTGTC	TGACACGGGAGGCTCACGTACGTCT
406	TAATGGAGCGATACGATCCAACGCA	TTGCGTTGGATCGTATCGCTCCATT
407	TGGAGGCGCTGTACTGATAGGCGTA	TTACGCCTATCAGTACAGCGCCTCC
408	TTGTTTTTGAATTGACCACACGGGA	TTCCCGTGTGGTCAATTCAAAAACA
409	TCATGTCTGGATGCGCTCAATGAAG	TCTTCATTGAGCGCATCCAGACATG
410	TGCCCGCTAATCCGACACCCAGTTT	TAAACTGGGTGTCTGGATTAGCGGGC
411	TCCATTGACAGGAGAGCCATGAGCC	TGGCTCATGGCTCTCCTGTCAATGG
412	TGAATCACCGAATCACCGACTCGTT	TAACGAGTCGGTGATTCCGGTGATT
413	TAACCAGCCGAGTAGCTTACGTCG	TCGACGTAAGCTACTGCGGCTGGTT
414	TTTTTCTGAGGGACACGCGGGCGTT	TAACGCCCCGCGTGTCCCTCAGAAAA
415	TGGTGCTCCGTTTGATCGATCCTCC	TGGAGGATCGATCAAACGGAGCACC
416	TCCGCTTAGGCCATACTCTGAGCCA	TTGGCTCAGAGTATGGCCTAAGCGG
417	TTAAGACATACCGACGCCCTTGCTT	TAGGCAAGGGCGTCGGTATGTCTTA
418	TGTTCCCGACGCCAGTCATTGAGAC	TGTCTCAATGACTGGCGTCGGGAAC
419	TTAAAGTTTTGCGGGAGGTCGGGCT	TAGCCCGACCTCCGCGAAACTTTTA
420	TCGGTCCAGACGAGCTGAGTTCGGC	TGCCGAACTCAGCTCGTCTGGACCG
421	TCGGCGTAGCGGCTACGGACTTAAA	TTTTAAGTCCGTAGCCGCTACGCCG
422	TGCTTGGATGCCCATGCGGCAAGGT	TACCTTGCCGCATGGGCATCCAAGC

423	TAGCGGGATCCCAGAGTTTCGAAAA	TTTTTCGAAACTCTGGGATCCCGCT
424	TGAGCTTGAGAGCGAGGTCATCCTC	TGAGGATGACCTCGCTCTCAAGCTC
425	TGCATCGGCCGTTTTGACCATATTC	TGAATATGGTCAAAACGGCCGATGC
426	TCATAGCGCTGCACGTTTCGACCGC	TGCGGTCGAAACGTGCAGCGCTATG
427	TACCCGACAACCACCAATTCAAAA	TTTTTTGAATTGGTGGTTGTCGGGT
428	TGCGAACACTCATAAGAGCGCCCTG	TCAGGGCGCTCTTATGAGTGTTCCG
429	TCCGCCGAGTGTAGAGAGACTCCGA	TTCCGAGTCTCTCTACACTCGGCGG
430	TGACATCGGGAGCCGGAACATGAG	TCTCATGTTTCCGGCTCCCGATGTC
431	TTCGTGTAGACTCGGCGACAGGCGT	TACGCCTGTGCGCGAGTCTACACGA
432	TATGCGCATATACTGACTGCGCAGG	TCCTGCGCAGTCAGTATATGCGCAT
433	TACAAGCGAACCCGAGTTTTGATGA	TTTCATCAAACTCGGGTTCGCTTGT
434	TGCATGAGACTCCGCGAAGACATGT	TACATGTCTTCGCGGAGTCTCATGC
435	TTCTACATGTCGCGTCACGATCAC	TGTGATCGTGACGCGACATGTAGGA
436	TGACCGATCGCGAAGTCGTACACAT	TATGTGTACGACTTCGCGATCGGTC
437	TGTCGCCAGGACTGGGCCGATGTGA	TTACATCGGCCAGTCCTGGCGAC
438	TACCGATAAGACTTGCATCCGAACG	TCGTTCCGATGCAAGTCTTATCGGT
439	TTCCATAACCAGTCCGAAGTGCCGG	TCCGGCACTTCGGACTGGTTATGGA
440	TACGCGCCCTGCATCTCGTATTTAA	TTTAAATACGAGATGCAGGGCGCGT
441	TAGACCGCATCAATTGGCGCGTACC	TGGTACGCGCCAATTGATGCGGTCT
442	TAGAGGCTTGCGAAGTAGGGACCCT	TAGGGTCCCTACTTGCCAAGCCTCT
443	TGCAATGGACGCCAGACGATACCGG	TCCGGTATCGTCTGGCGTCCATTGC
444	TGCTGGACTTAGTCGTGTTCCGGCGG	TCCGCCGAACACGACTAAGTCCAGC
445	TAGGCATCGTGCCGGATTGCTCCCT	TAGGGAGCAATCCGGCAGCATGCCT
446	TTGCGCATGTCGACGTTGAACAAAG	TCTTTGTTCAACGTCGACATGCGCA
447	TTTCGGGTCACATCCGATGCCATAC	TGTATGGCATCGGATGTGACCCGAA
448	TACCCATCGCCGGAAGCGATGTTG	TCAACATCGCTTTCCGGCGATGGGT
449	TAAGCGCTGACTCGGCTAAGAATCA	TTGATTCTTAGCCGAGTCAGCGCTT
450	TACTTCCAAGTCCTTGACCGTCCGA	TTCCGACGGTCAAGGACTTGGAAGT
451	TTCTCAATATTTCCCGTAGTCGCCCA	TTGGGCGACTACGGGAATATTGAGA
452	TAACAGTTCCTCTTTTTCTGGCGC	TGCGCCAGGAAAAAGAGGAAGTGT
453	TCGTCTCCATGTTGTACGAACAG	TCTGTTCTGTGACAACATGGAGGACG
454	TTGCGCAGACCTACCTGTCTTTGCT	TAGCAAAGACAGGTAGGTCTGCGCA
455	TATGGACGGCTTCGCAGTCCTCCTT	TAAGGAGGACTGCGAAGCCGTCCAT
456	TTGAACGCTTTCTATGGGCCACGTA	TTACGTGGCCCATAGAAAGCGTTCA
457	TTGAACCCTGCCGCGAGCGATAACC	TGGTTATCGCTCGCGGCAGGGTTCA
458	TGTTCTTGCGCGATGAATCAGGACC	TGGTCCTGATTCATCGCGCAAGAAC
459	TAGGGTACGTGTCGACGCTTCGCGT	TACGCGAAGCTGCGACACGTACCCT
460	TACCCTTGCTCCGCCATGTCTCTCA	TTGAGAGACATGGCGGAGCAAGGGT
461	TGGGACAAGGATTGAAGCTGGCGTC	TGACGCCAGCTTCAATCCTTGTCCT
462	TTGTCTGTTGCTCCCGAGTACCATTG	TCAATGGTACTCGGGAGCAACGACA
463	TGTTGTCCGAGACGTTTGTGTCAGC	TGCTGACACAAACGTCTCGGACAAC

464	TGCTGGTGAACACTCACGAACCGCT	TAGCGGTTCGTGAGTGTTACCAGC
465	TGCAGACAGGGCAAATCGGTGCAAA	TTTTGCACCGATTTGCCCTGTCTGC
466	TCCCATCACAAACGAGTGGCGACTTT	TAAAGTCGCCACTCGTTGTGATGGG
467	TGCTTCTACAGCTGGCGTGCTAGCG	TCGCTAGCACGCCAGCTGTAGAAGC
468	TGAATGTGTGCCGACCATTCTAGCC	TGGCTAGAATGGTCGGCACACATTC
469	TCCAGCGGAAGTTAGAGCTCTGTGG	TCCACAGAGCTCTAACTCCGCTGG
470	TTTTTTACCGACCACTCCATGTCGG	TCCGACATGGAGTGGTCGGTAAAAA
471	TGCGGCTATGTGATGACGGCCTAGC	TGCTAGGCCGTCTACATAGCCGC
472	TAGTACACGGGCGTGTTAGCGCTCC	TGGAGCGCTAACACGCCCGTGTACT
473	TTCCTGTGTGGTGGCGCACTCCAC	TGTGGGAGTGCGCCACCACACAGGA
474	TCCAATAACCAATCGCGCGGATGA	TTCATCCGCGCGATTGGTTAGTTGG
475	TAGTGAGTGACCAAGGCAGGAGCAA	TTTGCTCCTGCCCTTGGTCACTCACT
476	TCATCTTTCGCGGAGTTTATTGCGG	TCCGCAATAAACTCCGCGAAAGATG
477	TCTTCGTCCGGTTAGTGCGACAGCA	TTGCTGTGCGACTAACCAGACGAAG
478	TCTCACGAAAACGTGGGCCCCGAAAT	TATTTGGGCCCACGTTTTCGTGAG
479	TCGCAGCAGCTGAACTCTAGCATTG	TCAATGCTAGAGTTCAGCTGCTGCG
480	TAGGAGACATACGCCAAATGGTGC	TGCACCATTTGGGCGTATGTCTCCT
481	TATTGAGAACTCGTGCGGGAGTTTG	TCAAACCTCCCGCACGAGTTCTCAAT
482	TCTCTTTGTAGGCCCAGGAGGAGCA	TTGCTCCTCCTGGGCCTACAAAGAG
483	TGCCGCAGGGTCGATAATTGGTCTA	TTAGACCAATTATCGACCCTGCGGC
484	TAAACGCCGCCCTGAGACTATTGGG	TCCAATAGTCTCAGGGCGGCGTTT
485	TCTGAGTTGCCTGGAACGTTGGACT	TAGTCCAACGTTCCAGGCAACTCAG
486	TCGGATGGGTTGCAGAGTATGGGAT	TATCCCACTCTGCAACCCATCCG
487	TCTGACCTTTGGGGGTTAGTGCGGT	TACCGCACTAACCCCCAAAGGTCAG
488	TGGAAATGAGAACCTTACCCAGCG	TCGCTGGGGTAAGGTTCTCATTTCC
489	TAACGCATCGTCCGTCAACTCATCA	TTGATGAGTTGACGGACGATGCGTT
490	TTGGAGAGAGACTTCGGCCATTGTT	TAACAATGGCCGAAGTCTCTCTCCA
491	TTTGCGCTCATTGGATCTTGTCAGG	TCCTGACAAGATCCAATGAGCGCAA
492	TAGCGCGTTAAAGCACGGCAACATT	TAATGTTGCCGTGCTTTAACGCGCT
493	TAGCCAGTAAACTGTGGGCGGCTGT	TACAGCCGCCACAGTTTACTGGCT
494	TCGACTGATGTGCAACCAGCAGCTG	TCAGCTGCTGGTTGCACATCAGTCG
495	TGGTTGCTCATACGACGAGCGAGTG	TCACTCGCTCGTCGTATGAGCAACC
10	TGTCCAACGCGCAACTCCGATTCAA	TTTGAATCGGAGTTGCGCGTTGGAC
11	TTTGCCGCACCGTCCGTCTCATCTCAA	TTTGAGATGACGGACGGTGCGGCAA
498	TAGAACCTCCGCGCCTCCGTAGTAG	TCTACTACGGAGGCGCGGAGGTTCT
499	TAAAGGAGCTTTCGCCCAACGTACC	TGGTACGTTGGGCGAAAGCTCCTTT
500	TAGTGATTGTGCCACTCCACAGCTC	TGAGCTGTGGAGTGGCACAATCACT
501	TGCGATCGTCGAGGGTTGAGCTGAA	TTTCAGCTCAACCCTCGACGATCGC
502	TGGGAGACAGCCATTATGGTCCTCG	TCGAGGACCATAATGGCTGTCTCCC
503	TGAGACGCTGTCACTCCGGCAGAAC	TGTTCTGCCGGAGTGACAGCGTCTC
504	TCCACCGGTCGCTTAAGATGCACTT	TAAGTGCATCTTAAGCGACCGGTGG

505	TCGGCATAACGTCCAGTCCTGGGAC	TGTCCCAGGACTGGACGTTATGCCG
506	TAAGCGGAACGGGTTATACCGAGGT	TACCTCGGTATAACCCGTTCCGCTT
507	TTGCACACTAGGTCCGTCGCTTGAT	TATCAAGCGACGGACCTAGTGTGCA
508	TAGGGAACCGCGTTCAAACCTCAGTT	TAAGTGAAGTTTGAACGCGGTTCCCT
509	TGAATTACAACCACCCGCTCGTGTT	TAACACGAGCGGGTGTTGTAATTC
510	TTTCAGTGCTCACGAAGCATGGATT	TAATCCATGCTTCGTGAGCACTGAA
511	TTTAGTTTGGCGTTGGGACTTCACC	TGGTGAAGTCCCAACGCCAAACTAA
512	TAATGCGACCTCGACGAGCCTCATA	TTATGAGGCTCGTCGAGGTCGCATT
513	TCCGAAACCGTTAACGTGGCGCACA	TTGTGCGCCACGTTAACGGTTTCGG
514	TTAAAGTAACAAGGCGACCTCCCGC	TGCGGGAGGTGCGCTTGTTACTTTA
515	TTAATGATTTTAGTCGCGGGGTGGG	TCCCACCCCGCGACTAAAATCATT
516	TGGCTACTCTAAGTGCCCGCTCAGG	TCCTGAGCGGGCACTTAGAGTAGCC
517	TTGGCGGACGACTCAATATCTCACG	TCGTGAGATATTGAGTCGTCCGCCA
518	TGGGCGTTAGGCGTAATAGACCGTC	TGACGGTCTATTACGCCTAACGCCC
519	TGCCACCTTTAGACGGCGGCTCTAG	TCTAGAGCCGCGCTCTAAAGGTGGC
520	TGAGATGTGTAAACGTGCAGGCACC	TGGTGCCTGCACGTTTACACATCTC
521	TTAGCTCGTGGCCCTCCAAGCGTGT	TACACGCTTGAGAGGGCCACGAGCTA
522	TGTGTCGGCGCTATTTGGCCTTACC	TGGTAAGGCCAAATAGCGCCGACAC
523	TCCAGGGAAGCAACTGGTTGCCATT	TAATGGCAACCAGTTGCTTCCCTGG
524	TTTCCGAAACTAAGCCAGAACCGCT	TAGCGGTTCTGGCTTAGTTTCGGAA
525	TGCAAACCCGTAACCCGAGAGTTC	TGAACTCTCGGGTTACCGGGTTTGC
526	TGCAAATGGCGTCATGCACGAACGT	TACGTTTCGTGCATGACGCCATTTGC
527	TAGTACTTTCGCGCCAGTTTAGGG	TCCCTAAACTGGGCGCGAAAGTACT
528	TAAGATCTGCGAGGCATCCCGGCTT	TAAGCCGGGATGCCTCGCAGATCTT
529	TGCAAGTGTATCGCACAGTGCGATT	TAATCGCACTGTGCGATACACTTGC
530	TCCGACAAGGCCTCAATTCATTCTG	TCAGAAATGAATTGAGGCCTTGTCGG
531	TGTCTCGTCTCAACTTTAAGGCGCG	TCGCGCCTTAAAGTTGAGACGAGAC
532	TATCCAGAGATCCGTTTTGCAGCGT	TACGCTGCAAACGGATCTCTGGAT
533	TGTCACCAGGAGGGAAGTTTCACCC	TGGGTGAAACTTCCCTCCTGGTGAC
534	TTTCCGTCAGGCGGATCAACGGAAT	TATTCCGTTGATCCGCCTGACGGAA
535	TATGCCGACACGCATTACACAGGC	TGCCTGTGTAATGCGTGTCCGGCAT
536	TTGGGCCGCTTGGCGCTTTCATAGA	TTCTATGAAAGCGCCAAGCGGCCCA
537	TCCTAGCGCGAGCTTTACTGACCAG	TCTGGTCAGTAAAGCTCGCGCTAGG
538	TTTGGCCAGGAATATGGTCTCGAGA	TTCTCGAGACCATATTCTGGCCAA
539	TGTCTGCGGCCGACTTGCTATGCAT	TATGCATAGCAAGTCGGCCGCAGAC
540	TAAGTTGCTCATTCTCAAGCCGACG	TCGTGCGCTTGAGAATGAGCAAGTT
541	TACGTCAGCGATTGTGGCGAAATAT	TATATTTGCCACAATCGCTGACGT
542	TACGGCCTGCGTCAGCACATGCATC	TGATGCATGTGCTGACGCAGGCCGT
543	TATACCTCCGCAGAACCATTCCGTT	TAACGGAATGGTTCTGCGGAGGTAT
544	TAGTTCGCGGTCCACGATTCACTT	TAAGTGAATCGTGGGACCGCGAACT
545	TTGCTCAATTTGTGCAGAAAACGCC	TGGCGTTTTCTGCACAAATTGAGCA

5

10

15

20

25

30

35

40

546	TTTATCGCGAGAGACGACCGTGTCC	TGGACACGGTCGTCTCTCGCGATAA
547	TGACGCGACGTGAGTAGTGGAAGCG	TCGCTTCCACTACTCACGTCGCGTC
548	TATGGTAGGGGCATTGGGCTTTCCT	TAGGAAAGCCCAATGCCCTACCAT
549	TCCAAATATAGCCGCGCGGAGACAT	TATGTCTCCGCGCGGCTATATTTGG
550	TGCAAACCCTGATTGAATCGTGCCC	TGGGCACGATTCAATCAGGGTTTGC
551	TTAGCGTCTTGCGTGAAACCATGGG	TCCCATGGTTTCACGCAAGACGCTA
552	TCCACCCCGACAGCGCTGGACTCTT	TAAGAGTCCAGCGCTGTCGGGGTGG
553	TACGAGCACTGAAGGCTGCTTTACG	TCGTAAAGCAGCCTTCAGTGCTCGT
554	TCATATCAGCGTCGTCTAGCTCGCG	TCGCGAGCTAGACGACGCTGATATG
555	TTGATCCCGGACCGGCTAGACTAAT	TATTAGTCTAGCCGGTCCGGGATCA
556	TGGCCCCGACACTACAGGGTAATCA	TTGATTACCCTGTAGTGTGCGGGCC
557	TGGCTCCAGGGCGAGATTATGAATG	TCATTCATAATCTCGCCCTGGAGCC
558	TCAAAATCCGATGGGCGGAAAATTA	TTAATTTTCCGCCCATCGGATTTTG
559	TCACAGGCGCATAGGGAGCAAGCTA	TTAGCTTGCTCCCTATGCGCCTGTG
560	TTAGCTATTGCCCCGATGGGCTACT	TAGTAGCCCATCGGGGCAATAGCTA
561	TTGGTACGCGGTCCATAGCAAGTCG	TCGACTTGCTATGGACCGCGTACCA
562	TGACGCTGTGGCTCGGAACTGTTC	TGAACAGTTTCCGAGCCACAGCGTC
563	TCCTGGGTTTCGCCGCGTGGAAGT	TCAGTTACCACGCGGCGAAGCCAGG
564	TTTCCCGCGTAGCCCAACAGCTATA	TTATAGCTGTTGGGCTACGCGGGAA
565	TTTCGCGGATTGCTGCCGCATAACA	TTGTTATGCGGCAGCAATCCGCGAA
566	TAAAAATGGCACCGAAGTTGAGGCA	TTGCCTCAACTTCGGTGCCATTTTT
567	TCATTCCGCGCGAGTTGAAATCCAG	TCTGGATTTCAACTCGCGCGGAATG
568	TACGCACGTTTTTTGGCACGGTTAA	TTTAACCGTGCCAAAAAACGTGCGT
569	TTGTCCATGACGTCGTTTCTCTGGT	TACCAGAGAAACGACGTCATGGACA
570	TTCTCAGTCGGACTCGTATGCCAGA	TTCTGGCATAAGAGTCCGACTGAGA
571	TCTCCAAACGCACACATCAAGCATC	TGATGCTTGATGTGTGCGTTTGGAG
572	TTTCAACCAAGCGGGGTGTTCTGTA	TTACAGAACACCCCGCTTGTTGAA
573	TGGTGTGCGAGGGTGGTGACCTCGA	TTGAGGTACACACCCTCCGACACC
574	TAGCGCTTTTGGTCATGATTTGCAA	TTTGCAAATCATGACCAAAAGCGCT
575	TCCGAGGACTTACGTCTGCCCAGGA	TTCTGGGCAGACGTAAGTCCTCGG
576	TGCCCAATCCAGTTCTTATGCGCCC	TGGGCGCATAAGAACTGGATTGGGC
577	TCGGGTAAACCCACGCAAGTTATGA	TTCATAACTTGCCTGGGTAAACCCG
578	TTGATTAGCGCTCAATACACGCGTG	TCACGCGTGTATTGAGCGCTAATCA
579	TAAGGGCAGACCTTTGGTTCGACTG	TCAGTCGAACCAAAGGTCTGCCCTT
580	TGCGCCACAAGATTCACATGTCATT	TAATGACATGTGAATCTTGTGGCGC
581	TGCCATGTTCAAGGGCCTTTCGAAG	TCTTCGAAAGGCCCTTGAACATGGC
582	TCGCGGTGTTTTGTCTAGGTGCCGG	TCCGGCACCTAGACAAAACACCGCG
583	TCAACATTGTGGTGGCACTCCATCC	TGGATGGAGTGCCACCACAATGTTG
584	TCGATACGCGCCGGTTTGTTAAATC	TGATTTAACAAACCGGCGCGTATCG
585	TGGCTATAAACGTGCGGACTGCTCC	TGGAGCAGTCCGCACGTTTATAGCC
586	TTGGGTAAATCACTATTGCGCGGTT	TAACCGCGCAATAGTGATTTACCCA

587	TGTCTTCATCGGCCCCGCGCAAGCTA	TTAGCTTGCGCGGGCCGATGAAGAC
588	TGCGACACACCCTGTACTCTGATGC	TGCATCAGAGTACAGGGTGTGTGCGC
589	TGTAGCAGGGTCCGCAAGACCAAGC	TGCTTGGTCTTGCGGACCCTGCTAC
590	TTCGCCAACGCAGGGTAAGTGGCAT	TATGGCAGTTACCCTGCGTTGGCGA
591	TACTCCGAAGCTTCGAGCGGCACGA	TTCGTGCCGCTCGAAGCTTCGGAGT
12	TCATCGTCCCTTTTCGATGGGATCAA	TTTGATCCCATCGAAAGGGACGATG
13	TGCACGGGAGCTGACGACGTGTCAA	TTTGACACGTCGTGAGCTCCCGTGC
594	TATCATCCACGGCAGAGTGAAGAG	TCTCTTCACTCTGCCGTGGGATGAT
595	TCGCTGGACTGGCCTATCCGAGTCG	TCGACTCGGATAGGCCAGTCCAGCG
596	TCGGTCTCAGCAACACTGTCGCAAA	TTTTGCGACAGTGTGCTGAGACCG
597	TCGAACGTTCTCCGATGTAATGGCC	TGGCCATTACATCGGAGAACGTTCCG
598	TATACCGTGCGACAAGCCCCTCTGA	TTGAGAGGGGCTTGTCGACGCGTAT
599	TAGCTCATTCCCGAGACGGAACACC	TGGTGTTCCGTCTCGGAATGAGCT
600	TTTTCATGCGGCCGTTGCAAATCAT	TATGATTTGCAACGGCCGCATGAAA
601	TACTCGAACGGACGTTCAATTCCCA	TTGGGAATTGAACGTCCGTTGAGT
602	TCTGCATGGTGTGGGTGAGACTCCC	TGGGAGTCTCACCACACCATGCGAG
603	TCCGCGAGTGTGGATGGCGTGTTGA	TTCAACACGCCATCCACACTCGCGG
604	TAATGTGTGCGTCCCTAAGCCGGGTG	TCACCCGGCTTAGGACCGACACATT
605	TTAAGACGAGCCTGCACAGCTTGCG	TCGCAAGCTGTGCAGGCTCGTCTTA
606	TGGCGTGGGAGGATAAGACGATGTC	TGACATCGTCTTATCCTCCACGCC
607	TTGCTCCATGTTAGGAACGCACCAC	TGTGGTGCGTTTCTAACATGGAGCA
608	TCGGTGTTGGTTCGGACTGACGACTG	TCAGTCGTCAGTCCGACCAACACCG
609	TCCGCGCGTATCTATCAGATCTGGG	TCCGAGATCTGATAGATACGCGCGG
610	TAAAGCATGCTCCACCTGGAGCGAG	TCTCGCTCCAGGTGGAGCATGCTTT
611	TACTTGCATCGCTGGGTAGATCCGG	TCCGGATCTACCCAGCGATGCAAGT
612	TTGCTTACGCAGTGGATTGGTCAGA	TTCTGACCAATCCACTGCGTAAGCA
613	TATGCAGATGAACAAATCGCCGAAT	TATTCGGCGATTTGTTTCATCTGCAT
614	TGCAATTCTGGGCCATGTATTTCGTC	TGACGAATACATGGCCCAGAATTGC
615	TAGGGTTCCTTACGCGTCGACATGG	TCCATGTCGACGCGTAAGGAACCCCT
616	TGTGGAGCTAATCGCGAGCCTCAGA	TTCTGAGGCTCGCGATTAGCTCCAC
617	TTCGTAGTCTCACC GGCAATGATCC	TGGATCATTGCCGCTGAGACTACGA
618	TTTATAGCAGTGCGCCAATGCTTCG	TCGAAGCATTGGCGCACTGCTATAA
619	TCGAACAGTGCTGTCCGTCGCTCAA	TTTGAGCGACGGACAGCACTGTTCCG
620	TTCCGCGTGGACTGTTAGACGCTAT	TATAGCGTCTAACAGTCCACGCGGA
621	TCATTAGCCCGCTGTGCGTAAGTGT	TACAGTTACCGACAGCGGGCTAATG
622	TGGAAAGAAACTCAGACGCGCAATG	TCATTGCGCGTCTGAGTTTCTTTCC
623	TCGACTCGCTGGACAGGAGAATCGT	TACGATTCTCCTGTCCAGCGAGTCG
624	TCATGATCCTCTGTTTACCCGCGG	TCCGCGGGTGAAACAGAGGATCATG
625	TGGCGTAGCGCTCTAAAGCTTCGG	TCCGAAGCTTTTAGAGCGCTACGCC
626	TAGTGATGCCATCAGGCCCGTATAC	TGTATACGGGCTGATGGCATCACT
627	TTATGGAAAGGGCAACAGCGCTATC	TGATAGCGCTGTTGCCCTTTCCATA

628	TCTGTGGTTGATGGAGGATCCACAC	TGTGTGGATCCTCCATCAACCACAG
629	TACTCGCTGGAATTTGCGCTGACAC	TGTGTCAGCGCAAATTCAGCGAGT
630	TCAGGCCCGAACCACGCGTTACAG	TCTGTAACCGCGTGGTTCGGGCCTG
631	TGGCGCAATGGGCGCATAAATACTA	TTAGTATTTATGCGCCCATTGCGCC
632	TGGTCAATTCGCGCTACATGCCCTA	TTAGGGCATGTAGCGCGAATTGACC
633	TGATGGTGGACTGGAGCCCTTCCGC	TGCGGAAGGGCTCCAGTCCACCATC
634	TCCGCGCATAGCGCAATAGGGGAGA	TTCTCCCCTATTGCGCTATGCGCGG
635	TTCTTCTGGCTGTCCGGCACCCGAA	TTTCGGGTGCCGGACAGCCAGAAGA
636	TGCGTTTCGCAATTCACGGGCCCTTA	TTAAGGGCCCGTGAATTGCGAACGC
637	TTCGTTTCGGCCTTGAGAGTATCG	TCGATACTCTCCAAGGCCGAAACGA
638	TAGGTGCAAGTGCAAGGCGAGAGGC	TGCCTCTCGCCTTGCACTTGACCT
639	TCGCCAGTTTCGATGGCTGACGTTT	TAAACGTCAGCCATCGAAACTGGCG
640	TGCTTTACCGCCGATCCCAGATATC	TGATATCTGGGATCGGCGGTAAAGC
641	TGTGCTTGACGAAGAGGCGAAATGT	TACATTTTCGCCTCTTCGTCAAGCAC
642	TCAGTCCGTGCGCTTCATGTCCTCA	TTGAGGACATGAAGCGCACGGACTG
643	TTACGCGTAAGAGCCTACCCTCGCG	TCGCGAGGGTAGGCTCTTACGCGTA
644	TGGCGAGTCTTGTTGGGGACATGTGT	TACACATGTCCCCACAAGACTCGCC
645	TCCAAAGCGAAGCGAGCGTGTCTAT	TATAGACACGCTCGCTTCGCTTTGG
646	TGCCGTAGGTTGCTCTTCACCGAAC	TGTTTCGGTGAAGAGCAACCTACGGC
647	TAAATCCGCGATGTGCCGTGAGGCT	TAGCCTCACGGCACATCGCGGATTT
648	TGGCTTCGCACCCGTACCAATTTAG	TCTAAATTGGTACGGGTGCGAAGCC
649	TTGTAGAGTCCCACGTAGCCGGCAT	TATGCCGGCTACGTGGGACTCTACA
650	TCACTAGTCTGGGGCAAGGTGCATT	TAATGCACCTTGCCCCAGACTAGTG
651	TTGTACTCGGCAGGCGCAATAGATT	TAATCTATTGCGCCTGCCGAGTACA
652	TAACGGGTATCGGAAGCGTAAAGC	TGCTTTTACGCTTCCGATACCCGTT
653	TCGGAAGTCCCGTTTGCAAGTTGAG	TCTCAACTTGCAAACGGGCAGTCCG
654	TATCGTTCAGCACTGGAGCCCGTAA	TTTACGGGCTCCAGTGCTGAACGAT
655	TATGCATCGAACTAGTCGTGACGGC	TGCCGTACGACTAGTTCGATGCAT
656	TTTCCAGGCATTAAGGAGAGGGAGC	TGCTCCCTCTCCTTAATGCCTGGAA
657	TGTGCGACATCTACTCCACGATCCC	TGGGATCGTGGAGTAGATGTCGCAC
658	TCTCATCGTCTAACACGAGAGCCC	TGGGCTCTCGTGTTAGGACGATGAG
659	TAATGGCACTTCGGCGGTGATGCAA	TTTGCATCACCGCCGAAGTGCCATT
660	TCCGTGGGAGGGAATCCAACCGAGG	TCCTCGGTTGGATTCCCTCCCACGG
661	TAAATTCTCGTTGGTGACGGCTCAT	TATGAGCCGTACCAACGAGAATTT
662	TTTGCTCTTATCCTTGCTCGGGCG	TCGCCAGGACAAGGATAAGAGCAA
663	TTTAAGGATCAGGCGGAGCTTGACAG	TCTGCAAGCTCCGCCTGATCCTTAA
664	TCGCGACTAAGGTGCTGCAACTCGA	TTCGAGTTGCAGCACCTTAGTCGCG
665	TGCTCGATTTACGGCCCGTTGTTC	TGAACAACGGGCCGTGAAATCGAGC
666	TAGCAGAGTGCGTTGCAGAGGCTAA	TTTAGCCTCTGCAACGCACTCTGCT
667	TTGGAGGTGAGGACGACGTGCACTA	TTAGTGACGTGTCCTCACCTCCA
668	TAACCGTTTAGGGTACATTCGCGGT	TACCGCGAATGTACCCTAAACGGTT

5

10

15

20

25

30

35

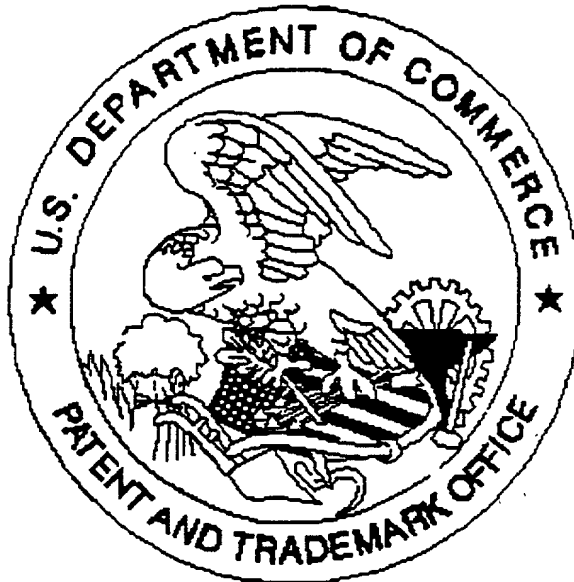
40

669	TTATGATCGCTCGGCTCACAGTTTG	TCAAACGTGAGCCGAGCGATCATA
670	TGACTTTTTGCGGAAACGTCATGGT	TACCATGACGTTTCCGCAAAAAGTC
671	TTGTGCGTTATTCCACCTGCAAGGA	TTCTTGCAGGTGGAATAACCGACA
672	TCTATGGTTTGCACTGCGCCGTCGA	TTCGACGGCGCAGTGCAAACCATAG
673	TAGCAGGGAAATTCAATCGTTCGCA	TTGCGAACGATTGAATTTCCCTGCT
674	TCCTAACCGAGCGCTTAGCATTTCC	TGGAAATGCTAAGCGCTCGGTTAGG
675	TCCCGACCCTAACTCGCATTGAATA	TTATTCAATGCGAGTTAGGGTCGGG
676	TTTGCTTAATGGTGACGCCACGGAT	TATCCGTGGCGTCACCATTAAGCAA
677	TGATGCTCGCCGTGTTTAGTTCACG	TCGTGAACTAAACACGGCGAGCATC
678	TTCGGATGACGAGTTTCCATGACGG	TCCGTCATGGAACTCGTCATCCGA
679	TATGCGGTCTACTTTCTCGATCGGG	TCCCGATCGAGAAAGTAGACCGCAT
680	TTTGCGAGGCTAAGCACACGGTAAA	TTTTACCGTGTGCTTAGCCTCGCAA
681	TAACCTAATTACCGCCTCTGGCGCC	TGGCGCCAGAGGCGGTAATTAAGTT
682	TGTGACCGCGAACTTGTTCCGACAG	TCTGTGCGGAACAAGTTCGCGGTCAC
683	TTGCGGATTACCGATTGCTCTTAA	TTTAAGAGCGAATCGGTAATCCGCA
684	TTGATAGGGGGCCACGTTGATCAGA	TTCTGATCAACGTGGCCCCCTATCA
685	TTGCTCCGTAGCGATTCATCGTAG	TCTACGATGAATCGCTACGGAGCGA
686	TTGTCAGCTGGTAGCCTCCGTTTGA	TTCAAACGGAGGCTACCAGCTGACA
687	TAGCGTCGCATGACGCTTACGGCAC	TGTGCCGTAAGCGTCATGCGACGCT
14	TAGACGCACCGCAACAGGCTGTCAA	TTTGACAGCCTGTTGCGGTGCGTCT
15	TCGTGTAGGGGTCCCGTGCTGTCAA	TTTGACAGCACGGGACCCCTACACG
690	TGTCGCATTCTGCACTGGCTTCGCC	TGGCGAAGCCAGTGCAGAAATGCGAC
691	TTGATTAGGTGCGGTCCCGTAGTCC	TGGAACGCGGACCGCACCTAATCA
692	TAAGGGACCTTGGGTGACGGCGAGA	TTCTCGCCGTCACCCAAGGTCCCTT
693	TTCAAATGGCCACCGCGTGTCAATC	TGAATGACACGCGGTGGCCATTTGA
694	TCTCCGACGACCAATAAATAGCCGC	TGCGGCTATTTATTGGTCGTCGGAG
695	TGGCTATTCCCGTAGAGAGCGTCCA	TTGGACGCTCTCTACGGGAATAGCC
696	TTGGATAACCTCTCGGTCCATCCAC	TGTGGATGGACCGAGAGGTTATCCA
697	TGACCGCTGTACGGGAGTGTGCCTT	TAAGGCACACTCCCGTACAGCGGTC
698	TGCCACAGAGTTTTAGCAGGGACCC	TGGGTCCCTGCTAAAACTCTGTGGC
699	TCCCACGCTTTCCGACCACTGACCT	TAGGTCAGTGGTCGGAAAGCGTG
700	TCATTGACACAATGCGGGGACTGAT	TATCAGTCCCCGCATTGTGTCAATG
701	TAGCCACTCGACAGGGTTCCAAAGC	TGCTTTGGAACCCTGTGAGTGGCT
702	TCAGGATGAGCAAAGCGACTCTCCA	TTGGAGAGTCGCTTTGCTCATCCTG
703	TCAAGGTATGGTCTGGGGCCTAAGC	TGCTTAGGCCCCAGACCATACTTG
704	TGGTGTTGCGCCTAAACTCTTTCGG	TCCGAAAGAGTTTAGGCCGAACACC
705	TTTTAGTCGGACCCTGTGGCAATTC	TGAATTGCCACAGGGTCCGACTAAA
706	TCACACGTTTCCGACCAGCCTGAAC	TGTTTCAGGCTGGTCGGAAACGTGTG
707	TCTGGACGAACTGGCTTCCTCGTAC	TGTACGAGGAAGCCAGTTCGTCCAG
708	TTTCACAATCCGCCGAAAACGACC	TGGTCAGTTTTCGGCGGATTGTGAA
709	TAACAGGATATCCGCGATCACGACA	TTGTCGTGATCGCGGATATCCTGTT

710	TTACGTCGGATCCATTGCGCCGAGT	TACTCGGCGCAATGGATCCGACGTA
711	TCATGGATCTCTCGGTTTGATCGCC	TGGCGATCAAACCGAGAGATCCATG
712	TAGCCAGGCGCGTATATACGCTCGG	TCCGAGCGTATATACGCGCCTGGCT
713	TATTTGGCACGTGTCGTGCCATGTT	TAACATGGCACGACACGTGCCAAAT
714	TCCGCGTTGCACCACTTTGAGGTGC	TGCACCTCAAAGTGGTGCAACGCGG
715	TTTGGACGTGACAAGCATGGCGCTC	TGAGCGCCATGCTTGTACGTCCAA
716	TCTGAATCGCGCAAGTAAATGGGGG	TCCCCCATTTACTTGCGCGATTGAG
717	TGATAAGGTCCACCAGATTGCGCGC	TGCGCGCAATCTGGTGGACCTTATC
718	TCTAACAATTGCCAACCGGGACGCG	TGCCGTCCCGGTTGGCAATTGTTAG
719	TGGTAACCTGGGTGCTTGCAAGTTA	TTAACCTGCAAGCACCAGGTTACC
720	TATCGGAGCCACCATTGCGATTGGG	TCCAATGCGAATGGTGGCTCCGAT
721	TGTGAACTGGCTTGCCCCAGGATTA	TTAATCCTGGGGCAAGCCAGTTCAC
722	TAGGCGATAGCATGGTCCCATATGA	TTCATATGGGACCATGCTATCGCCT
723	TAACGGTATCGTGGCTAATGCACGA	TTCGTGATTAGCCACGATACCGTT
724	TAGTAGTGGTCCTCCAGATCGGCAA	TTTGCCGATCTGGAGGACCACTACT
725	TCCGTTGAATTGACGGGAGGTTAG	TCTAACCTCCCGTCCAATTCAACGG
726	TGCATAAGTGCGGCATCGCAAGGG	TCCCTTCGCGATGCCGCACTTATGC
727	TCGACAAGATGCAGCTGCTACATGC	TGCATGTAGCAGCTGCATCTTGTGC
728	TTCGCAGTGATTCCCGACCGATAAG	TCTTATCGGTGCGGAATCACTGCGA
729	TCAAGGCGAGTCCACTCGAGGGGAC	TGTCCCCTCGAGTGGACTCGCCTTG
730	TGCAACTTGACGGCATAAGTGGCC	TGGCCACTTATGCCGTGCAAGTTGC
731	TTCCGAGCTTGACGTTGCGGACGTC	TGACGTCGCGAACGTCAAGCTCGGA
732	TAGCGCTGGGCTGTGCTGCCATCTC	TGAGATGGCAGCACAGCCCAGCGCT
733	TTTCATGTCGCTGAGTAACCCTCGC	TGCGAGGGTTACTCAGCGACATGAA
734	TCGAACCGCTAATGCCATTGTGAG	TCTGACAATGGGCATTAGCGGTTG
735	TCACGGAAGGTGGGACAAATCGCCG	TCGGCGATTTGTCCCACCTTCCGTG
736	TCACAGATGGAGACAAACGCGCCTT	TAAGGCGCGTTTGTCTCCATCTGTG
737	TTTTTCGCAACTCGCTCCATAACCC	TGGGTTATGGAGCGAGTTGCGAAAA
738	TACGTTACGTTTCCGGCGCCTCTAA	TTTAGAGGCGCCGGAAACGTAACGT
739	TTATCGGATTGCGTGGGTTTCAATC	TGATTGAAACCCACGCAATCCGATA
740	TCTTCCACAATTGTCTGCGACGCAC	TGTGCGTCGCAGACAATTGTGGAAG
741	TTGCACAAAGGTATGGCTGTCCGGC	TGCCGGACAGCCATACCTTTGTGCA
742	TTCCGATGCCAGTCCCATCTTAAGA	TTCTTAAGATGGGACTGGCATCGGA
743	TCTGAAACCGTGCGAATCGAGGTGA	TTACCTCGATTGCGACGGTTTCAG
744	TCGGTGTTCCGCGTGTGAAAAAAT	TATTTTTTCGACACGCGGAACACCG
745	TTCTAGCAGGCCTTTTGAATCGCCA	TTGGCGATTCAAAGGCCTGCTAGA
746	TGAGTCACCTCTGAGACGGACGCCA	TTGGCGTCCGTCTCAGAGGTGACTC
747	TTCTTCTGTCATCCTGCAGCAGCAT	TATGCTGCTGCAGGATGACAGAAGA
748	TGCGGATGAAACCTGAAAGGGGCCT	TAGGCCCTTTTCAAGTTTTCATCCGC
749	TGGGGCCCCAACTGGTATCAAGCC	TGGCTTGATACCAGTTTGGGGCCCC
750	TGCATTGGCTTCGGATTCTCCTACA	TTGTAGGAGAATCCGAAGCCAATGC

751	TAGGCGGCCCAACTGTGAGGTCTTG	TCAAGACCTCACAGTTGGGCGCCT
752	TACACCATGTGCTCCGCGCTGCAGT	TACTGCAGCGCGGAGCACATGGTGT
753	TACGATGAACATGAATCGGGAGTCG	TCGACTCCCGATTTCATGTTTCATCGT
754	TCTGCATCCCTGTAGCAGCGCTCCG	TCGGAGCGCTGCTACAGGGATGCAG
755	TGTGCCGTATTTTCGACCTGTGCGTT	TAACGCACAGGTGCGAAATACGGCAC
756	TGCAGTGCGCACTTCAGTTCAAAAG	TCTTTTGAAGTGAAGTGCAGTGC
757	TGCGATTTTAAGCGATGCCTTGACG	TCGTCAAGGCATCGCTTAAAATCGC
758	TTAGGTGACCTAGGCTTGCTTGCGG	TCCGCAAGCAAGCCTAGGTACCTA
759	TCTGGATACCTTGCTTGTCGGCGC	TGCGCCGCACAGGCAAGGTATCCAG
760	TCCCCTTACGGCTCGTCGTCTATGC	TGCATAGACGACGAGCCGTAAGGGG
761	TGCGCTTGCCCGATGCGATGCATTA	TTAATGCATCGCATCGGGCAAGCGC
762	TTTTCTGTAAGCGGCCTGGGGTTCA	TTGAACCCAGGCGCTTACAGAAA
763	TGGCTGAGGTGAGCGGTAAGGATGA	TTTCATCCTTACCGCTCACCTCAGCC
764	TTCTTGCCCTCCCCGATCTAATTTG	TCAAATTAGATCGGGGAGGCCAAGA
765	TGGAGGTAACGCCGTGTACGTAGGA	TTCTTACGTACACGGCGTTACCTCC
766	TGTAATCCATTTGTGGCTGCGTCAA	TTTGACGCAGCCACAAATGGATTAC
767	TCAAACCCATTCCAGCAGACGCCTG	TCAGGCGTCTGCTGGAATGGGTTTG
768	TTAGGAGGAATTTGGCATGCGGGCG	TCGCCCCGCATGCCAAATTCCTCCTA
769	TATAGGTAGGATGTGCCCGGCGTTG	TCAACGCCGGGCACATCCTACCTAT
770	TGCAAGTGCTTAGCTCGTCAGCCTC	TGAGGCTGACGAGCTAAGCACTTGC
771	TCTGGCTGTGTGCGCATCTCGTTAAC	TGTTAACGAGATGCGACACAGCCAG
772	TCTAACGTCTCTCGCGCAATCACT	TAGTGATTGCGCGAGACGACGTTAG
773	TTTTTCATAAACGTTGTCCCCGAGC	TGCTCGGGGACAACGTTTATGAAAA
774	TAGCAGGAGGACGAACCTCCGCTCC	TGGAGCGGAGGTTTCGTCCTCCTGCT
775	TTTCAAGCACCATCGTGCAATCCAA	TTTGATTGCACGATGGTGCTTGAA
776	TAGCGTCGCCAGTGATCGCTAGTGG	TCCACTAGCGATCACTGGCGACGCT
777	TTACATTCCCTGCCTCCGTGGGCTT	TAAGCCCACGGAGGCAGGGAATGTA
778	TCGCTTCGCGTATTCAGTAGCGGTT	TAACCGCTACTGAATACGCGAAGCG
779	TTCGGACGCGTCGACACTCATTATA	TTATAATGAGTGTGACGCGTCCGA
780	TTCTGAGCAGGCCAGCGCTCCAGCT	TAGCTGGAGCGCTGGCCTGCTCAGA
781	TTTGAATTGCCAAGCCCTGAAAGCC	TGGCTTTCAGGGCTTGGAATTCAA
782	TAGTTTTCGCCTTGATGCGTCGGTG	TCACCGACGCATCAAGGCGAAACT
783	TGTTTCATAGGCCACGCGTGCTAAA	TTTTCAGCACGCGTGGCCTATGAAAC
16	TCATCGCTGCAAGTACCGCACTCAA	TTTGAGTGCGGTACTTGACGCGATG

United States Patent & Trademark Office
Office of Initial Patent Examination -- Scanning Division



Application deficiencies found during scanning:

☐ Page(s) _____ of _____ were not present
for scanning. (Document title)

☐ Page(s) _____ of _____ were not present
for scanning. (Document title)

The pages 44, to pages 254. They are Table

☒ Scanned copy is best available. Table 5